
PHASE II ENVIRONMENTAL INVESTIGATION REPORT

for

12120 FLATLANDS AVENUE
Brooklyn, New York
Tax Map Block 4434, Lot 1

Prepared For:

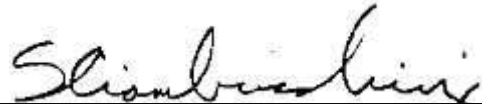
Innovative Urban Living, LLC
432 Park Avenue South, 2nd Floor
New York, New York 10016

Prepared By:

**Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.**
300 Kimball Drive
Parsippany, New Jersey 07054
NJ Certificate of Authorization No. 24GA27996400



Christopher McMahon
Associate



Steven A. Ciambuschini, PG, LEP
Principal / Vice President

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1.0 INTRODUCTION

On behalf of Innovative Urban Living, LLC, Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan), has prepared this Phase II Environmental Investigation Report for the ±68,150-square foot property at 12120 Flatlands Avenue in Brooklyn, New York that is currently identified as the eastern portion of Block 4434, Lot 1 on the New York City Tax Map. A Site location map is provided as Figure 1 (the "Site"). A tax lot subdivision application has been provided to New York City such that this eastern portion of Lot 1 will be redefined as its own lot and will be provided a new number as Lot 10. This limited Due Diligence Phase II EI was completed to evaluate potential subsurface impacts associated with historic Site use and the presence of historic fill as discussed below.

Historical reports provided by Innovative Urban Living, LLC and reviewed by Langan identified that the area to the southwest of the Site was subject to historical inundation and was reportedly filled with city incinerator waste suspected to have been used for raising grades of the Site. Historical reports also revealed past Site use as a gasoline filling station and automotive dismantling facilities. The Limited Due Diligence Phase II EI was completed to investigate potential subsurface impacts associated with the historical uses identified above; the following is a summary of the findings of the investigation.

1.1 Physical Setting

The Site is an approximately ±68,150-square foot (approximately 1.57-acres) parcel consisting of a gravel lot currently used for surplus parking for the Christian Cultural Center (CCC) building, located to the west of the Site at 12020 Flatlands Avenue.

The Site is bound to the north by Flatlands Avenue (formerly Fairfield Avenue prior to 1967) followed by a gasoline filling station, automotive repair facility, carwash, and Sheffield Avenue. The Site is bound to the east by Pennsylvania Avenue followed by a vacant landscaped lot and the northern courtyard of a twenty-story residential building (part of the Starrett City Complex), to the south by a twelve-story multi-family residential building, and to the west by the western extents of the gravel lot currently used for surplus parking by the CCC.

The Site is currently zoned as a residential district (R5) according to the New York City Department of City Planning (NYCDCP) zoning map effective 7 September 2017.

1.2 Site Stratigraphy and Hydrogeology

The “Surficial Geologic Map of New York” Lower Hudson Sheet by the New York State Museum State Geological Survey identifies that the surficial geology at the Site consists of outwash sand and gravel which is generally a well-rounded and stratified layer of coarse to fine gravel with sand. According to the “Geologic Map of New York – Lower Hudson Sheet” by the University of the State of New York, geology at the Site consists of silty clay, sand, and gravel.

Based on area topography, groundwater flow within the overburden material is anticipated to be to the southeast, towards the North Channel of Jamaica Bay.

Based on observations made during the Limited Due Diligence Phase II EI, the soil profile at the Site consists of an approximately 14- to at least 20-foot thick layer of miscellaneous fill. Historic fill was identified from the surface down to the depth of soil boring completion of 20-feet below grade in soil borings LSB-16, LSB-18, and LSB-19. As such, historic fill may be present at the Site deeper than the soil boring completion depth. A 2- to 12-foot thick ash layer was encountered in all soil borings at depths that ranged from 6- to 10-feet below existing grade in the northern and central portions of the Site, and at approximately 18-feet below existing grade in the southern portion of the Site. Two separate ash layers were observed within two soil borings (LSB-15 and LSB-20) in the northern portion of the Site.

Groundwater, as inferred from moisture content observed within the soil cores, was encountered at approximately 12-feet below existing grade along Flatlands Avenue, and at approximately 18-feet below existing grade at the southern property boundary. Static groundwater level was measured within a two-inch permanent groundwater monitoring well installed in the northern portion of the Site (LMW-5) at approximately 13.7-feet below existing grade. Groundwater is expected to flow to the south-southeast.

2.0 PREVIOUS ENVIRONMENTAL REPORTS

Langan reviewed available environmental reports historically prepared for a much larger property area including the entire CCC church and all of its associated parking lots, including this Site ("the entire CCC property"):

- *Fresh Creek Estates, Technical Memorandum to the Draft Environmental Impact Statement (DEIS)*, prepared by AKRF, Inc., dated June 1991;
- *Subsurface Investigation and Report*, prepared by Soil Engineering Services, Inc. (SESI), dated March 1994;
- *Phase I Environmental Site Assessment (ESA)*, prepared by Soil Mechanics Environmental Services (SMES), dated July 1997; and,
- *Phase I ESA for Flatlands Ave. & Pennsylvania Ave.*, prepared by Soil Mechanics Environmental Services (SMES) dated April 2003.

Fresh Creek Estates, Technical Memorandum to the Draft Environmental Impact Statement (DEIS), prepared by AKRF, Inc., dated June 1991

According to the Technical Memorandum, AKRF, Inc. (AKRF) prepared a comprehensive environmental assessment of the proposed Fresh Creek Estates site which consisted of Block 4430 Lot 1, Block 4431 Lots 1, 70 and 200, Block 4432 Lot 1, and Block 4434 Lots 1, 60 and 75 according to current tax map designations. The Technical Memorandum identified that the site was originally marshlands and was landfilled during the early 1900's using ash and residue from a city solid waste incinerator. Prior to 1950, a gasoline filling station was located on the northeast portion of the site at the intersection of Pennsylvania Avenue and Flatlands Avenue, which corresponds to the Site parcel subject to Langan's Phase II EI, located on the eastern portion of Block 4434, Lot 1. Potential subsurface impacts to soil, groundwater, and soil vapor due to historical site use and historic filling operations were investigated via the completion of an electromagnetic survey, excavation of three test pits, installation of ten soil borings, five groundwater monitoring wells, collection of 34 soil vapor samples, 24 soil samples, and five groundwater samples. Based on the sample location plan provided, one test pit (TP-3), two soil borings (B-6 and B-7), and two groundwater monitoring wells (MW-1 and MW-2) were installed on the eastern portion of Block 4434, Lot 1 (the Site). Soil and groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), and metals. In addition, groundwater samples were submitted for laboratory analysis of total dissolved solids, hexavalent chromium, and chloride. Although a soil vapor sample location map was not provided for review, the sampling

methodology discussion identified that all 34 soil vapor samples were collected from the former gasoline filling station and were likely located within the eastern portion of Block 4434, Lot 1 (the Site). Laboratory analytical packages and summary tables were not provided for review; as such, subsurface soil and groundwater impacts identified during the 1991 environmental investigation could not be correlated to the Site parcel subject to Langan's Phase II EI located on the eastern portion of Block 4434, Lot 1.

The AKRF Technical Memorandum was reviewed by Soil Mechanics Environmental Services (SEMS) and a summary of the AKRF Technical Memorandum investigation and findings was included in the SEMS Phase I ESA dated April 2003 as discussed below. According to the 2003 Phase I ESA prepared by SMES, the soil vapor survey conducted by AKRF was completed within the extents of the former gasoline station, likely referring to the portion of the CCC property subject to this Phase II EI. Results of the soil vapor survey did not indicate elevated VOCs with the exception of methane, which was presumed to be associated from organic material in historic fill and/or underlying marsh deposits. Based on the presence of elevated methane concentrations in soil vapor, AKRF recommended that a Health and Safety Plan (HASP) be implemented including air monitoring protocols during intrusive activities for proposed site development.

The Technical Memorandum concluded that the site is underlain by unconsolidated fill containing varying amounts of sand, gravel, clay, bricks, organic material, concrete, glass and asphalt. Groundwater was encountered at depths that ranged from 12.67- to 22.82-feet below existing grades. Soil sample analytical results revealed TPH in soil at concentrations that ranged from 91 parts-per-million (ppm) to 25,900 ppm over the entire proposed Fresh Creek Estates development site; however, TPH results specific to the Site were not provided.

Subsurface Investigation and Report, prepared by Soil Engineering Services, Inc. (SESI), dated March 1994

SESI completed a subsurface investigation that included installation of eight soil borings to depths that ranged from 26- to 51.5-feet below existing grade at the entire CCC property for the purposes of evaluating geotechnical conditions and providing recommendations for foundation design and general site development. As the report provided was not complete and a geotechnical boring location plan was not provided for review, only general site-wide subsurface conditions are discussed below. The site is underlain by a layer of miscellaneous fill of unspecified thickness followed by native medium-dense medium to fine grained sand. The geotechnical

report identified that the bottom of planned excavation at the time, likely for the existing church, was approximately 10-feet below grade and would be within the layer of miscellaneous fill; as such it can be inferred that historic fill was observed at the site at depths of at least 10-feet below grade. No soil or groundwater samples were collected for laboratory analysis as part of this investigation.

Phase I ESA, prepared by SMES, dated July 1997

SMES prepared a Phase I ESA on behalf of Legacy General Contracting Corp. for the intent of constructing at the time an approximately 100,000-square foot two-story building, presumably what became the current CCC building. Based on the descriptions of the subject property and adjacent properties in the SMES Phase I ESA report, it appears that this Phase I ESA was not completed for the eastern portion of Block 4434, Lot 1.

Phase I ESA for Flatlands Ave. & Pennsylvania Ave., SMES, April 2003

The April 2003 Phase I ESA by SMES was completed for the entire CCC property consisting of Block 4430 Lot 1, Block 4431 Lots 1 and 200, Block 4432 Lot 1, and Block 4434 Lot 1. Previous environmental reports prepared for the subject property were reviewed to assist in the identification of RECs included the June 1991 Technical Memorandum to the DEIS prepared by AKRF, Inc., the 1994 Subsurface Investigation and Report prepared by SESI Consulting Engineers, and the 1997 Phase I ESA prepared by SMES, each of which is discussed in detail above.

The April 2003 Phase I ESA by SMES did not specifically identify RECs associated with the environmental findings discussed above. Soil Mechanics concluded that recommendations for a Health and Safety Plan (HASP) and soil capping system detailed in the Technical Memorandum to the DEIS be strictly followed and noted that a methane mitigation system may be required as part of any future building construction. Soil Mechanics also recommended that future site activities be conducted under the oversight of the New York City Department of Environmental Protection (NYCDEP) or New York State Department of Environmental Conservation (NYSDEC) and that all underground storage tanks (USTs) encountered during redevelopment be removed in accordance with all applicable laws. Finally, Soil Mechanics recommended the proper removal of all miscellaneous waste that was observed on the subject property including an abandoned crane, rubber tires, and demolition debris and noted that a groundwater investigation would be required to evaluate for potential impacts from hydraulically upgradient properties of concern.

3.0 AREAS OF CONCERN

Based on the results of the above identified reports and Langan's review of historical Sanborn Maps and government database information, the following areas of concern were identified.

3.1 Former On-Site Gasoline Filling Station

Based on the findings of the historical environmental reports, a gasoline filling station was identified on the northeast portion of Block 4434, Lot 1 (the Site) prior to 1950. As such, the potential exists for subsurface impacts to soil and groundwater at the Site.

3.2 Former On-Site Automotive Dismantling/Wrecking

An auto dismantling facility was identified on the Site through the review of historical Sanborn Maps. According to the historical environmental reports, the potential exists for subsurface impacts associated with historical auto dismantling operations on the Site.

3.3 Presence of Historic Fill

As identified in the historical environmental reports, the Site consisted of marshlands and was filled in circa 1900's. As such, the potential exists for subsurface impacts in soil and/or groundwater associated with historic fill materials.

3.4 Presence of Methane in Soil Vapor

Historical soil vapor samples collected in the vicinity of the former gasoline filling station identified elevated concentrations of methane. As petroleum-related VOCs were not identified in this area, the presence of methane in soil vapor was historically attributed to either the presence of historic fill, or marshlands historically on the Site.

4.0 PHASE II ENVIRONMENTAL INVESTIGATION

Based on the findings of the historical environmental reports, the Limited Due Diligence Phase II EI was completed to evaluate potential subsurface impacts in soil and groundwater associated with the areas of concern on the Site presented in the previous section.

This Limited Due Diligence Phase II EI was completed for the purposes of due diligence, to determine if the above identified areas of concern could potentially impact the proposed Site redevelopment plans, and to evaluate the Site for potential inclusion in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). The investigation activities included a limited geophysical survey completed in November 2017 in the portion of the proposed development parcel formerly occupied by a gasoline filling station. The geophysical investigation report is included as Appendix A. The Phase II EI investigation activities included the excavation of five test pits (LTP-1 through LTP-4 and LTP-7) to depths ranging between approximately 5- and 6.5-feet below existing grade along the northern and western boundaries of the Site, the installation of six soil borings (LSB-15 through LSB-20), and installation of one permanent flush-mounted 2-inch groundwater monitoring well (LMW-5). Based on the identification of methane in the subsurface during previous environmental investigations completed at the Site, a six-inch stainless steel screen was installed within the historic fill layer at a depth of approximately 10-feet below existing grade in the approximate center of the parcel (LSB-19) and methane concentrations were monitored over a period of 5-minutes using a LandTec GEM 2000 Landfill Gas Monitor. Soil vapor samples were not collected for laboratory analysis as part of this Limited Due Diligence Phase II EI.

4.1 Geophysical Survey Investigation

An initial geophysical survey was completed on 29 November 2017 by NAEVA Geophysical Inc. of Congers, New York using electromagnetic surveying equipment and ground penetrating radar (GPR). The geophysical survey area was limited to the northeast portion of the Site in the vicinity of the former gasoline filling station to identify potential abandoned USTs and any associated piping or ancillary equipment related to the historical use of this portion of the Site. Five notable buried anomalies were identified in the approximate footprint of the former gasoline filling station. The largest geophysical anomaly was detected at approximately 2- to 3-feet below sidewalk grade and was determined to most likely be related to buried foundations or concrete debris based on size, location, and flat surfaced GPR response. One subsurface anomaly located in the northwest portion of the former gasoline filling station (near soil boring LSB-15) encountered at approximately 1- to 3-feet below sidewalk grade exhibited a hyperbolic GPR response which is typical of USTs. This anomaly was determined to be the approximate size and shape of a potential 275-gallon UST. Three additional subsurface anomalies (one of these anomalies exhibited a hyperbolic GPR response) were detected between

approximately 2- and 3-feet below sidewalk grade along the northern property boundary that were also identified as potential USTs.

4.2 Soil Sampling Procedure and Field Observations

On 8 May 2018, six soil borings (LSB-15 through LSB-20) and five shallow test pits (LTP-1 through LTP-4 and LTP-7) were completed to investigate soil conditions and assess potential subsurface impacts associated with historical Site use as a gasoline filling station, automobile dismantling operations, and the presence of historic urban fill that likely included the use of incinerator waste for raising grades in the early 1900's. The test pits and soil borings were completed by Aarco Environmental Services Corp. (Aarco) of Lindenhurst, New York.

Test Pit Investigation

Three test pits (LTP-1 through LTP-3) were excavated to between approximately 5- and 6.5-feet below existing grade within the assumed footprint of the former gasoline filling station at locations where geophysical anomalies were identified as potential USTs during the 29 November 2017 geophysical survey. Specifically, test pit LTP-3 was excavated in the vicinity of a geophysical anomaly tentatively identified as a potential 275-gallon UST based on the size, shape, and hyperbolic GPR response. Test pits LTP-1 and LTP-2 were excavated along the northern property boundary to investigate two subsurface anomalies that exhibited strong GPR responses, but did not exhibit hyperbolic reflections typically associated with potential USTs. Test pits LTP-4 and LTP-7 were excavated to depths that ranged between 5.5- and 6-feet below existing grade to evaluate general historic fill conditions within the proposed development parcel. Historic fill was identified in all test pits including concrete, asphalt, wood, brick, metal and slag. Additionally, miscellaneous debris including tires, porcelain, wire, plastic, fabric and shoes were inconsistently identified in the test pits. No USTs or fill/distribution piping were identified during the test pit investigation. Due to the lack of competent subsurface structures identified during the test pit investigation, it was determined that concrete and metal debris within the historic fill layer were likely the source of the anomalies identified during the geophysical survey. No soil samples were collected from the test pits for laboratory analysis. Excavated historic fill was returned to each respective test pit location and the surface was restored with recycled concrete aggregate (RCA). Field logs documenting subsurface conditions observed during the test pit investigation are included as Appendix B.

Soil Boring Investigation

Six soil borings were completed to a depth of approximately 20-feet below existing Site grade with a track-mounted Geoprobe® 7822DT direct push drill rig. Soil borings LSB-17 and LSB-20 were installed along Flatlands Avenue and LSB-15 was installed in the north-central portion of the Site to further evaluate potential subsurface impacts associated with historical gasoline filling station operations. Soil boring LSB-18 was installed adjacent to the south and hydraulically downgradient of the former gasoline station building footprint as determined by the geophysical survey. Soil boring LSB-19 was installed in the approximate center of the Site and soil boring LSB-16 was installed in the south-central portion of the Site to evaluate potential impacts associated with historical filling operations. Soil boring LSB-18 was completed as a flush-mount permanent 2-inch diameter monitoring well.

All soil boring locations are shown on Figures 2 and 3, and a summary of soil sample analytical results is provided in Table 1. Soil boring logs are provided in Appendix C and a complete laboratory data package is provided in Appendix F.

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 six test borings and all soil samples were screened for visual or olfactory evidence of impacts. Evidence of petroleum impacts (i.e. elevated PID readings, odor, or staining) were not observed in any of the soil borings completed. An approximately 14- to 16-foot thick layer of historic fill including concrete, brick, asphalt, wood, slag, ash, fabric, and metal debris were generally observed within all soil borings. The historic fill layer was underlain by sand and silt was encountered in soil borings LSB-15, LSB-17, and LSB-20 completed along the northern boundary of the former gasoline filling station. Soil borings LSB-16, LSB-18 and LSB-19 were installed in historic fill to a depth of approximately 20-feet below existing Site grades in the central and southern portions of the Site; native material was not encountered in these borings.

Two separate ash layers were encountered in soil borings LSB-15 and LSB-20 between 6- and 8-feet below existing grade and between 10- and 12-feet below existing grade. A continuous ash layer was encountered in LSB-17 from 8- to 12.5-feet below grade, in LSB-18 from 10- to 16-feet below grade, in LSB-19 from 8- to 20-feet below grade and in LSB-16 from 18- to 20-feet below grade.

Concrete, brick and slag were generally observed within the ashy layer of the historic fill.

Twelve soil samples were collected for chemical analysis during this Limited Due Diligence Phase II EI. Samples for laboratory analysis were collected from 0- to 2-feet below existing Site grade and from the two-foot depth interval directly above the observed groundwater level in all six soil borings as evidence of petroleum impacts were not identified. Deep soil samples collected from soil borings LSB-17 through LSB-20 were collected from the ash layer within the historic fill and the remaining deep samples were collected from sandy material within the fill.

Soil samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, CT for VOC, semi-volatile organic compound (SVOC), pesticides, polychlorinated biphenyls (PCBs), Target Analyte List (TAL) metals, and hexavalent chromium analysis.

Soil Sampling Quality Assurance/Quality Control

All soil sampling devices were properly decontaminated according to NYSDEC and ASTM (ASTM D-5088-90) guidelines prior to each sampling location. Each macrocore was lined with a dedicated acetate liner prior to the collection of each 4-foot long soil sample collected in the use of the Geoprobe® 7822DT. 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 one field blank, one duplicate sample, and one trip blank. The soil duplicate sample and the field blank sample were analyzed for VOCs, SVOCs, pesticides, PCBs, TAL metals, and hexavalent chromium. The trip blank sample was analyzed for VOCs only.

4.3 Ground Water Sampling Procedures and Field Observations

On 8 May 2018, one flush-mount permanent groundwater monitoring well (LMW-5) was installed by a licensed well driller from Aarco. Based on the review of historical Sanborn Maps and as determined by the geophysical survey, LMW-5 was installed adjacent to the south and hydraulically downgradient of the former gasoline filling station. LMW-5 was completed to approximately 20-feet below existing grade and was constructed with 10-feet of 2-inch diameter Schedule 40 PVC well screen and 10-feet of 2-inch diameter solid PVC riser. The location of LMW-5 is shown on Figure 2. The monitoring well construction log is included as Appendix D.

Groundwater level in LMW-5 was measured prior to sampling with an oil/water interface probe. Light non-aqueous phase liquid (LNAPL) was not detected in LMW-5 and groundwater was measured to be approximately 14-feet below existing grade.

On 14 May 2018 groundwater sample LMW-5 was collected for chemical analysis via United States Environmental Protection Agency (USEPA) low-flow purging and sampling methods using dedicated polyethylene tubing and a 1.75-inch diameter submersible bladder pump with a dedicated polyethylene bladder. Groundwater field parameters, including pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, temperature, and turbidity were measured during low-flow purging activities. The Groundwater Field Sampling Log is provided in Appendix E. No odors, evidence of sheen, or free product were observed during purging or sampling activities in the well. A PID reading of 2.0 ppm was detected in LMW-5 following removal of the well cap prior to purging activities. A summary of groundwater analytical results is provided in Table 2 and a complete laboratory data package is provided in Appendix F.

The groundwater sample collected from LMW-5 was submitted to York for VOC, SVOC, pesticides, PCBs, total and dissolved TAL metals, and hexavalent chromium analysis.

Groundwater Sampling Quality Assurance/Quality Control

The collected groundwater sample was placed in containers supplied by the laboratory with the appropriate preservatives and was recorded in a field log book. The sample was transferred to the laboratory immediately after field sampling was completed, and was 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 blank) and quality control samples (field blank and duplicate samples) were incorporated into the sampling event and consisted of one field blank, one trip blank, and one duplicate sample for groundwater samples. The groundwater field blank and duplicate samples were analyzed for VOCs, SVOCs, pesticides, PCBs, total and dissolved TAL metals, and hexavalent chromium. The trip blank was analyzed for VOCs only.

4.4 Methane Monitoring

A temporary methane monitoring point was installed during installation of soil boring LSB-19, located in the approximate center of the Site and hydraulically downgradient from the former gasoline filling station. The temporary methane monitoring point consisted of a six-inch stainless steel screen installed within the vadose zone of the historic fill layer at approximately 10-feet below grade within the LSB-19 borehole. Polyethylene tubing connected to the stainless steel screen was extended vertically to the surface and methane concentrations were monitored using a LandTec GEM 2000 Landfill Gas meter over a period of 5-minutes. No measurable methane concentrations were detected over the 5-minute period.

5.0 LABORATORY ANALYTICAL RESULTS

Summaries of the laboratory analytical results for soil and groundwater are provided in Tables 1 and 2, respectively, and are discussed in detail below.

5.1 Soil Analytical Results

All soil analytical results were compared to the NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (SCOs).

Analytical results revealed no exceedances of the NYSDEC Unrestricted Use SCOs for VOCs in any of the soil samples collected with the exception of acetone in sample LSB-17B at a concentration of 0.08 milligrams per kilogram (mg/kg).

SVOCs were detected in surficial soil samples collected from the sandy historic fill material at LSB-15 and LSB-17 and in the deep soil sample collected from the sandy historic fill material at LSB-15 at concentrations exceeding the

NYSDEC Restricted Use SCOs (RUSCOs). Benzo(a)pyrene (1.32 mg/kg – 3.63 mg/kg) was detected in samples LSB-15A, LSB-15B, and LSB-17A exceeding the NYSDEC RUSCO for Industrial Use. Dibenzo(a,h)anthracene (0.729 mg/kg – 0.519 mg/kg) was detected in LSB-15A exceeding the NYSDEC RUSCO for Commercial Use and in LSB-17A exceeding the NYSDEC RUSCO for Restricted Residential Use. Additionally, the SVOCs benzo(a)anthracene (1.29 mg/kg – 4.12 mg/kg) and indeno(1,2,3-cd)pyrene (0.58 mg/kg – 1.99 mg/kg) were detected in LSB-15A, LSB-15B, and LSB-17A, and benzo(b)fluoranthene (1.57 mg/kg – 2.85 mg/kg) was detected in LSB-15A and LSB-17A at concentrations exceeding the NYSDEC RUSCO for Restricted Residential Use. The SVOCs 2-methylnaphthalene (0.423 mg/kg – 0.784 mg/kg) detected in LSB-15B and LSB-17A, chrysene (1.51 mg/kg – 3.59 mg/kg) detected in LSB-15A, LSB-15B and LSB-17A, and benzo(k)fluoranthene (1.86 mg/kg – 2.73 mg/kg) detected in LSB-15A and LSB-17A were reported at concentrations exceeding the NYSDEC RUSCO for Residential Use. Benzo(k)fluoranthene was also detected in LSB-15B at a concentration of 0.818 mg/kg, exceeding the NYSDEC Unrestricted Use SCO.

Pesticides detected at concentrations exceeding the NYSDEC Unrestricted Use SCOs included 4,4'-DDT (0.00444 mg/kg – 0.0141 mg/kg) in surficial and deep samples collected from both the sandy and ash historic fill material including LSB-16A, LSB-16B, LSB-18A, LSB-18B, LSB-19A, LSB-19B, and LSB-20A; 4,4'-DDE (0.0134 mg/kg) in deep sample LSB-18B, and dieldrin (0.00559 mg/kg – 0.00695 mg/kg) in surficial samples LSB-18A and LSB-19A.

PCBs were detected in surficial and deep sandy historic fill material at concentrations exceeding the NYSDEC Unrestricted Use SCOs including Aroclor 1260 in LSB-15A (0.208 mg/kg), Aroclor 1254 in LSB-16B (0.151 mg/kg), and total PCBs (0.208 mg/kg – 0.215 mg/kg) in LSB-15A and LSB-16B. Metals were detected at concentrations exceeding the NYSDEC RUSCOs for Restricted Residential Use at all soil boring locations with the exception of LSB-18. Barium was detected in deep sample LSB-17B exceeding the NYSDEC RUSCO for Industrial Use (10,400 mg/kg) and in surficial sample LSB-16A and deep sample LSB-19B exceeding the NYSDEC RUSCO for Commercial Use (481 mg/kg – 697 mg/kg). Cadmium was detected in deep sample LSB-15B (10.7 mg/kg) exceeding the NYSDEC RUSCO for Commercial Use and in deep sample LSB-17B (4.68 mg/kg) exceeding the NYSDEC RUSCO for Restricted Residential Use. Copper was detected in deep

sample LSB-20B (63.9 mg/kg) at a concentration exceeding the NYSDEC RUSCO for Commercial Use. Lead (426 mg/kg – 566 mg/kg) was detected in surficial and deep samples LSB-16A, LSB-17A, LSB-17B, LSB-19A, and LSB-20B and mercury (1.53 mg/kg) was detected in deep sample LSB-20B at concentrations exceeding the NYSDEC RUSCOs for Restricted Residential Use.

Iron (5,830 mg/kg – 86,300 mg/kg) was detected in all soil samples above the RUSCO for Residential Use; trivalent chromium (74.6 mg/kg) was detected in deep sample LSB-20B and zinc (3,540 mg/kg – 9,280 mg/kg) was detected in deep samples LSB-15B and LSB-17B exceeding the NYSDEC RUSCO for Residential Use.

Metals were detected at concentrations exceeding the NYSDEC Unrestricted Use SCOs in all samples except LSB-17B including copper (63.9 mg/kg – 155 mg/kg), lead (98.6 mg/kg – 309 mg/kg), mercury (0.183 mg/kg – 0.505 mg/kg), nickel (31 mg/kg - 66.4 mg/kg), and zinc (115 mg/kg – 635 mg/kg).

5.2 Groundwater Analytical Results

Groundwater analytical results for LMW-5 were compared to the NYSDEC Part 703 Groundwater Quality Standards and the NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (collectively referred to as GWQS). Analytical results revealed no VOCs, pesticides, or PCBs detected in exceedance of the NYSDEC GWQS.

The SVOC benzo(a)anthracene (0.0632 µg/l), total metals including iron (32,800 µg/l), lead (53.3 µg/l), manganese (1,030 µg/l), and sodium (25,900 µg/l), and concentrations of dissolved metals including iron (7,000 µg/l), manganese (1,030 µg/l), and sodium (25,900 µg/l) were detected at concentrations exceeding the GWQS.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this Limited Due Diligence Phase II EI, the presence of historic fill consisting of asphalt, brick, concrete, metal, ash, slag, wood, and miscellaneous debris including tires, porcelain pieces, wire, shoes, plastic, and fabric was visually identified from 0- to between 16- and 20-feet below ground surface and may be present at the Site deeper than the soil boring completion depth of 20-feet below ground surface. A 2- to 12-foot thick ash layer was encountered in all soil borings at depths that ranged from 6- to 10-feet below

existing grade in the northern and central portions of the parcel, and at approximately 18-feet below existing grade in the southern portion of the parcel.

Laboratory analytical results identified SVOCs in soil at concentrations exceeding the NYSDEC RUSCOs for Restricted Residential Use, Restricted Commercial Use, and/or Restricted Industrial Use on the northern portion of the Site in surficial soil samples at LSB-15 and LSB-17 and the deep soil sample from LSB-15 including benzo(a)anthracene, benzo(a)pyrene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

Metals including barium, cadmium, copper, lead, and mercury were detected at concentrations exceeding the NYSDEC RUSCOs for Restricted Residential Use, Restricted Commercial Use, and/or Restricted Industrial Use in surficial soil samples collected at LSB-16, LSB-17, and LSB-19 and in deep samples collected from LSB-15, LSB-17, LSB-19, and LSB-20. These metals are commonly associated with historical automotive materials and their presence in the subsurface may be attributed to historical Site operations including automotive dismantling/wrecking.

The VOC acetone, SVOCs 2-methylnaphthalene, benzo(k)fluoranthene, and chrysene, pesticides including 4,4'-DDE, 4,4'-DDT, and dieldrin, PCBs including Aroclor 1254 and Aroclor 1260, and metals including iron, copper, trivalent chromium, lead, mercury, nickel, and zinc were detected exceeding the NYSDEC Unrestricted Use SCO and/or the NYSDEC RUSCOs for Residential Use at boring locations throughout the Site.

The presence of underground storage tanks in the vicinity of the former gasoline filling station was not identified during the limited geophysical survey or test pit investigation. Additionally, petroleum-related VOCs indicative of subsurface impacts from a release were not detected in any of the soil or groundwater samples collected. Additionally, elevated PID readings, odor, or staining were not observed in any of the soil borings completed.

Laboratory analytical results for groundwater sample LMW-5 did not identify VOCs, PCBs, or pesticides above the GWQS. Benzo(a)anthracene is the only SVOC detected in groundwater at a concentration exceeding the GWQS. Total and dissolved concentrations of the metals iron, manganese, and sodium were detected in LMW-5 exceeding the GWQS. Total lead was detected in LMW-5 at a concentration exceeding the GWQS; however, dissolved lead was not detected.

Subsurface soil and groundwater impacted with SVOCs and metals, is likely attributable to historic filling operations that reportedly included the use of waste from the city incinerator in the 1900's. The presence of this reported incinerator ash was confirmed in all boring locations completed as part of this Limited Phase II EI. Although no subsurface impacts were identified associated with historic Site use as a gasoline filling station, the investigation was limited in scope to only five test pits, six soil borings, and one monitoring well.

Based on the historical use of the Site as a gasoline filling station and auto dismantling, the presence of ash observed in historic fill reportedly from city incinerator waste, and elevated soil concentration of SVOCs and metals exceeding the NYSDEC SCOs for the proposed residential use, the Site appears to be eligible for application to the NYSDEC Brownfield Cleanup Program (BCP).

This Phase II was limited in scope to the Site constituting the ±68,150-square foot eastern portion of existing Tax Block 4434, Lot 1. The results of this investigation are not to be construed as indicative of the overall Site conditions. Additional areas of impacts may exist at the Site and may be encountered as part of any redevelopment/renovation activities. If encountered, additional areas of impacts would require additional investigation to determine the nature and extent of these impacts and may also trigger the need for regulatory reporting.

TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
12120 Flatlands Avenue
Brooklyn, New York

Sample ID:		NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					005/LSB-15A	006/LSB-15B	014/LSB-16A	015/DUP-1 (LSB-16A)	016/LSB-16B	007/LSB-17A	008/LSB-17B	011/LSB-18A	012/LSB-18B	019/LSB-19A	020/LSB-19B	009/LSB-20A	010/LSB-20B	
Material	CAS Number						Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Ash	Historic Fill - Sand	Historic Fill - Ash
Laboratory Sample Number:		Unrestricted Use	Protection of Public Health - Restricted Use SCOs																	
Sample Date:			Residential	Restricted-Residential	Commercial	Industrial														
Sample Depth/VOC Sample Depth (ft bgs):																				
Units:		mg/kg		mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Volatile Organics, NJDEP/TCL/Part 375 List																				
1,1,1,2-Tetrachloroethane	630-20-6	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1,000	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,1,2,2-Tetrachloroethane	79-34-5	—	35	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	—	100	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,1,2-Trichloroethane	79-00-5	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,1-Dichloroethylene	75-35-4	0.33	100	100	500	1,000	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,1-Dichloropropylene	563-58-6	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,2,3-Trichlorobenzene	87-61-6	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,2,3-Trichloropropane	96-18-4	—	80	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,2,4-Trichlorobenzene	120-82-1	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,2-Dibromo-3-chloropropane	96-12-8	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,2-Dibromoethane	106-93-4	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1,000	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,2-Dichloropropane	78-87-5	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,3-Dichloropropane	142-28-9	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.049	U	0.06	U	0.061	U	0.052	U	0.045	U	0.051	U	0.093	U
2,2-Dichloropropane	594-20-7	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
2-Butanone	78-93-3	0.12	100	100	500	1,000	0.0024	U	0.0074	U	0.0031	U	0.0026	U	0.009	U	0.0025	U	0.013	U
2-Chlorotoluene	95-49-8	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
2-Hexanone	591-78-6	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
4-Chlorotoluene	106-43-4	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
4-Methyl-2-pentanone	108-10-1	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Acetone	67-64-1	0.05	100	100	500	1,000	0.0078	J	0.043	U	0.013	U	0.0052	U	0.033	U	0.0051	U	0.08	U
Acrolein	107-02-8	—	—	—	—	—	0.0049	U	0.006	U	0.0061	U	0.0052	U	0.0045	U	0.0051	U	0.0093	U
Acrylonitrile	107-13-1	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Bromobenzene	108-86-1	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Bromochloromethane	74-97-5	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Bromodichloromethane	75-27-4	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Bromoform	75-25-2	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Bromomethane	74-83-9	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Carbon disulfide	75-15-0	—	100	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Carbon tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Chlorobenzene	108-90-7	1.1	100	100	500	1,000	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Chloroethane	75-00-3	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Chloroform	67-66-3	0.37	10	49	350	700	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Chloromethane	74-87-3	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
cis-1,2-Dichloroethylene	156-59-2	0.25	59	100	500	1,000	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
cis-1,3-Dichloropropylene	10061-01-5	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Cyclohexane	110-82-7	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Dibromochloromethane	124-48-1	—	—	—	—	—	0.0024	U	0.003	U	0.0031	U	0.0026	U	0.0022	U	0.0025	U	0.0046	U
Dibromomethane	74-95-3																			

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
12120 Flatlands Avenue
Brooklyn, New York

Sample ID:		NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					005/LSB-15A	006/LSB-15B	014/LSB-16A	015/DUP-1 (LSB-16A)	016/LSB-16B	007/LSB-17A	008/LSB-17B	011/LSB-18A	012/LSB-18B	019/LSB-19A	020/LSB-19B	009/LSB-20A	010/LSB-20B													
Material	CAS Number						Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Ash	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand													
Laboratory Sample Number:		Protection of Public Health - Restricted Use SCOs					18E0411-05	18E0411-06	18E0411-14	18E0411-15	18E0411-16	18E0411-07	18E0411-08	18E0411-11	18E0411-12	18E0411-19	18E0411-20	18E0411-09	18E0411-10													
Sample Date:		Unrestricted Use	Residential	Restricted-Residential	Commercial	Industrial	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018												
Sample Depth/VOC Sample Depth (ft bgs):						0-2 (1.5-2)	12-14 (13-15)	0-2 (1-1.5)	0-2 (1-1.5)	0-2 (1-1.5)	14-16 (15.5-16)	0-2 (1-1.5)	10-12 (11.5-12)	0-2 (1.5-2)	12-14 (13.5-14)	0-2 (0.5-1)	10-12 (11.5-12)	0-2 (0.5-1)	9-11 (10-10.5)													
Units:		mg/kg		mg/kg	mg/kg	mg/kg	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q													
Semi-Volatiles, NJDEP/TCL/Part 375 List																																
1,1'-Biphenyl	92-52-4	—	—	—	—	0.0691	JD	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.113	D	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
1,2,4,5-Tetrachlorobenzene	95-94-3	—	—	—	—	0.0882	U	0.107	U	0.0923	U	0.0917	U	0.0916	U	0.0891	U	0.103	U	0.0888	U	0.0953	U	0.0884	U	0.0933	U	0.0894	U	0.099	U	
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
2,3,4,6-Tetrachlorophenol	58-90-2	—	—	—	—	0.0882	U	0.107	U	0.0923	U	0.0917	U	0.0916	U	0.0891	U	0.103	U	0.0888	U	0.0953	U	0.0884	U	0.0933	U	0.0894	U	0.099	U	
2,4,5-Trichlorophenol	95-95-4	—	100	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
2,4,6-Trichlorophenol	88-06-2	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
2,4-Dichlorophenol	120-83-2	—	100	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
2,4-Dimethylphenol	105-67-9	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
2,4-Dinitrophenol	51-28-5	—	100	—	—	0.0882	U	0.107	U	0.0923	U	0.0917	U	0.0916	U	0.0891	U	0.103	U	0.0888	U	0.0953	U	0.0884	U	0.0933	U	0.0894	U	0.099	U	
2,4-Dinitrotoluene	121-14-2	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
2,6-Dinitrotoluene	606-20-2	—	1.03	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
2-Chloronaphthalene	91-58-7	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
2-Chlorophenol	95-57-8	—	100	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
2-Methylnaphthalene	91-57-6	—	0.41	—	—	0.213	D	0.423	D	0.0463	U	0.0459	U	0.0459	U	0.0447	D	0.0517	U	0.0445	U	0.0478	U	0.0608	JD	0.0468	U	0.0448	U	0.0496	U	
2-Methylphenol	95-48-7	0.33	100	100	500	1,000	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U
2-Nitroaniline	88-74-4	—	—	—	—	0.0882	U	0.107	U	0.0923	U	0.0917	U	0.0916	U	0.0891	U	0.103	U	0.0888	U	0.0953	U	0.0884	U	0.0933	U	0.0894	U	0.099	U	
2-Nitrophenol	88-75-5	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
3- & 4-Methylphenols	65794-96-9	330	34,000	100,000	500,000	1,000,000	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U
3,3'-Dichlorobenzidine	91-94-1	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
3-Nitroaniline	99-09-2	—	—	—	—	0.0882	U	0.107	U	0.0923	U	0.0917	U	0.0916	U	0.0891	U	0.103	U	0.0888	U	0.0953	U	0.0884	U	0.0933	U	0.0894	U	0.099	U	
4-Chloroaniline	106-47-8	—	100	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
4,6-Dinitro-2-methylphenol	534-52-1	—	—	—	—	0.0882	U	0.107	U	0.0923	U	0.0917	U	0.0916	U	0.0891	U	0.103	U	0.0888	U	0.0953	U	0.0884	U	0.0933	U	0.0894	U	0.099	U	
4-Bromophenyl phenyl ether	101-55-3	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
4-Chlorophenyl phenyl ether	7005-72-3	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
4-Chloro-3-methylphenol	59-50-7	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0443	U	0.0468	U	0.0448	U	0.0496	U	
4-Nitroaniline	100-01-6	—	—	—	—	0.0882	U	0.107	U	0.0923	U	0.0917	U	0.0916	U	0.0891	U	0.103	U	0.0888	U	0.0953	U	0.0884	U	0.0933	U	0.0894	U	0.099	U	
4-Nitrophenol	100-02-7	—	—	—	—	0.0882	U	0.107	U	0.0923	U	0.0917	U	0.0916	U	0.0891	U	0.103	U	0.0888	U	0.0953	U	0.0884	U	0.0933	U	0.0894	U	0.099	U	
Acenaphthene	83-32-9	20	100	100	500	1,000	1.05	D	0.697	D	0.0463	U	0.0459	U	0.0459	U	0.0447	U	0.0517	U	0.0445	U	0.0478	U	0.0473	JD	0.0468	U	0.0448	U	0.0496	U
Acenaphthylene	208-96-8	100	100	100	500	1,000	0.0909	D	0.0652	JD	0.0959	D	0.0894	JD	0.0703	JD	0.39	D	0.061	JD	0.0696	JD	0.0478	U	0.194	D	0.0977	D	0.0879	JD	0.0496	U
Acetophenone	98-86-2	—	—	—	—	0.0442	U	0.0538	U	0.0463	U	0.0459	U	0.0459	U																	

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
12120 Flatlands Avenue
Brooklyn, New York

Sample ID:		NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives					005/LSB-15A	006/LSB-15B	014/LSB-16A	015/DUP-1 (LSB-16A)	016/LSB-16B	007/LSB-17A	008/LSB-17B	011/LSB-18A	012/LSB-18B	019/LSB-19A	020/LSB-19B	009/LSB-20A	010/LSB-20B	
Material	CAS Number						Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Sand	Historic Fill - Ash	Historic Fill - Sand	Historic Fill - Ash	Historic Fill - Sand	Historic Fill - Ash	Historic Fill - Sand	Historic Fill - Ash	
Laboratory Sample Number:		Unrestricted Use	Protection of Public Health - Restricted Use SCOs				18E0411-05	18E0411-06	18E0411-14	18E0411-15	18E0411-16	18E0411-07	18E0411-08	18E0411-11	18E0411-12	18E0411-19	18E0411-20	18E0411-09	18E0411-10	
Sample Date:			Residential	Restricted-Residential	Commercial	Industrial	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	5/8/2018	
Sample Depth/VOC Sample Depth (ft bgs):							0-2 (1.5-2)	12-14 (13-13.5)	0-2 (1-1.5)	0-2 (1-1.5)	14-16 (15.5-16)	0-2 (1-1.5)	10-12 (11.5-12)	0-2 (1.5-2)	12-14 (13.5-14)	0-2 (0.5-1)	10-12 (11.5-12)	0-2 (0.5-1)	9-11 (10-10.5)	
Units:		mg/kg		mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Pesticides, EPA TCL List																				
4,4'-DDD	72-54-8	0.0033	2.6	13	92	180	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
4,4'-DDE	72-55-9	0.0033	1.8	8.9	62	120	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
4,4'-DDT	50-29-3	0.0033	1.7	7.9	47	94	0.00174	U	0.00212	U	0.0141	D	0.00867	D	0.0127	D	0.00176	U	0.00205	U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
alpha-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
alpha-Chlordane	5103-71-9	0.094	0.91	4.2	24	47	0.00576	DP	0.00212	U	0.00771	DP	0.00438	D	0.0018	U	0.0149	DP	0.00205	U
beta-BHC	319-85-7	0.036	0.072	0.36	3	14	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
Chlordane, total	57-74-9	—	—	—	—	—	0.0348	U	0.0425	U	0.0364	U	0.0363	U	0.036	U	0.0352	U	0.0409	U
delta-BHC	319-86-8	0.04	100	100	500	1,000	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.00174	U	0.00212	U	0.00182	U	0.00454	DP	0.0018	U	0.00176	U	0.00205	U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
Endosulfan sulfate	1031-07-8	2.4	4.8	24	200	920	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
Endrin	72-20-8	0.014	2.2	11	89	410	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
Endrin aldehyde	7421-93-4	—	—	—	—	—	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
Endrin ketone	53494-70-5	—	—	—	—	—	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
gamma-BHC (Lindane)	58-89-9	0.1	0.28	1.3	9.2	23	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
gamma-Chlordane	5566-34-7	—	—	—	—	—	0.00453	DP	0.00212	U	0.0076	DP	0.00449	DP	0.0018	U	0.0101	DP	0.00205	U
Heptachlor	76-44-8	—	0.42	2.1	15	29	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
Heptachlor epoxide	1024-57-3	—	0.077	—	—	—	0.00174	U	0.00212	U	0.00182	U	0.00182	U	0.00176	U	0.00205	U	0.00177	U
Methoxychlor	72-43-5	—	100	—	—	—	0.0087	U	0.0106	U	0.00911	U	0.00908	U	0.00881	U	0.0102	U	0.00883	U
Toxaphene	8001-35-2	—	—	—	—	—	0.0881	U	0.107	U	0.0922	U	0.0919	U	0.0912	U	0.0894	U	0.104	U
PCBs, EPA TCL List																				
Aroclor 1016	12674-11-2	0.1	1	1	1	25	0.0176	U	0.0214	U	0.0184	U	0.0183	U	0.0182	U	0.0178	U	0.0207	U
Aroclor 1221	11104-28-2	0.1	1	1	1	25	0.0176	U	0.0214	U	0.0184	U	0.0183	U	0.0182	U	0.0178	U	0.0207	U
Aroclor 1232	11141-16-5	0.1	1	1	1	25	0.0176	U	0.0214	U	0.0184	U	0.0183	U	0.0182	U	0.0178	U	0.0207	U
Aroclor 1242	53469-21-9	0.1	1	1	1	25	0.0176	U	0.0214	U	0.0184	U	0.0183	U	0.0182	U	0.0178	U	0.0207	U
Aroclor 1248	12672-29-6	0.1	1	1	1	25	0.0176	U	0.0214	U	0.0184	U	0.0183	U	0.0182	U	0.0178	U	0.0207	U
Aroclor 1254	11097-69-1	0.1	1	1	1	25	0.0176	U	0.0214	U	0.0184	U	0.0183	U	0.0182	U	0.0178	U	0.0207	U
Aroclor 1260	11096-82-5	0.1	1	1	1	25	0.208		0.0214	U	0.0969		0.069		0.0635		0.097		0.0342	
Total PCBs	1336-36-3	0.1	1	1	1	25	0.208		0.0214	U	0.0969		0.069		0.215		0.097		0.0342	
Metals, Target Analyte																				
Aluminum	7429-90-5	—	—	—	—	—	5,250		5,630		6,670		4,920		6,760		6,120		3,600	
Antimony	7440-36-0	—	—	—	—	—	0.53	U	0.713		1.45		1.23		0.549	U	1.14		0.651	
Arsenic	7440-38-2	13	16	16	16	16	1.46		3.54		7.71		5.08		1.1	U	1.07		5.94	
Barium	7440-39-3	350	350	400	400	10,000	113		168		697		346		63.7		269		10,400	
Beryllium	7440-41-7	7.2	14	72	590	2,700	0.244		0.308		0.447		0.41		0.294		0.318		0.389	
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	0.617		10.7		1.14		1.16		0.33	U	2.08		4.68	
Calcium	7440-70-2	—	—	—	—	—	8,380		6,550		11,700		10,200		6,060		11,200		4,960	
Chromium, Hexavalent	18540-29-9	1	22	110	400	800	0.53	U	0.644	U	0.554	U	0.552	U	0.549	U	0.855		0.622	U
Chromium, Trivalent	16065-83-1	30	36	180	1500	6,800	17.9		21.9		29.4		19		14.3		24.3		13.2	U
Cobalt	7440-48-4	—	30	—	—	—	5.09		5.79		7.77		5.62		5.57		7.35		14.8	
Copper	7440-50-8	50	270	270	270	10,000	70.7		63.9		155		152		22		127		40.8	
Iron	7439-89-6	—	2,000	—	—	—	13,900		21,900		20,200		15,600		15,800		42,600		5,830	
Lead	7439-92-1	63	400	400	1,000	3,900	166		309		490		446		98.6		431		566	
Magnesium	7439-95-4	—	—	—	—	—	4,220		1,560		3,420		3,190		2,750		3,240		489	
Manganese	7439-96-5	1,600	2,000	2,000	10,000	10,000	215		192		205		196		226		322		75.2	
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.241		0.213		0.465		0.35		0.084		0.432		0.0951	
Nickel	7440-02-0	30	140	310	310	10,000	17		15		27.6		20.6		20.6		66.4		9.49	
Potassium	7440-09-7	—	—	—	—	—	504		431		537		466		748		541		511	
Selenium	7782-49-2	3.9	36	180	1,500	6,800	1.06	U	1.29	U	1.11	U	1.1	U	1.1	U	1.07	U	1.24	U
Silver	7440-22-4	2	36	180	1,500	6,800	0.53	U	0.644	U	0.554	U	0.552	U	0.549	U	0.534	U	0.622	U
Sodium	7440-23-5	—	—	—	—	—	107		130		182		164		143		132		166	
Thallium	7440-28-0	—	—	—	—	—	1.06	U	1.29	U	1.11	U	1.1	U	1.1	U	1.07	U	1.24	U
Vanadium	7440-62-2	—	100	—	—	—	20.5		15.7		26.6		22.7		19.7		23.9		19.3	
Zinc	7440-66-6	109	2,200	10,000	1															

Notes:
Soil Cleanup Objectives are taken from the NYSDEC Subpart 375-6 Remedial Program SCOs (Revised Brownfields) criteria are from the NYSDEC Soil Cleanup Objective Tables 375-6.8(a) and 375-6.8(b), last revised 14 December 2006 and the NYSDEC CP-51 Soil Cleanup Guidance dated 21 October 2010.
ft bgs - feet below ground surface
NA: Not analyzed
U: The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
J: The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
D: Compound analyzed at a secondary dilution factor.
B: analyte found in the analysis batch blank
P: this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
*: Analytical results for these compounds are reported by the laboratory as both VOCs and SVOCs. NYSDEC only provides SCOs for these compounds as VOCs; therefore, the SVOC analytical results for these compounds are screened against the VOC SCOs

Italicized results indicate Reporting Limits (RL) greater than or equal to the most stringent criteria.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
12120 Flatlands Avenue
 Brooklyn, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	053/LMW-5 053 18E0702-01 5/14/2018 ug/L Q	054/DUP-3 054 18E0702-02 5/14/2018 ug/L Q
Volatile Organic Compounds (VOCs)				
1,1,1-Trichloroethane	71-55-6	5	0.200 U	0.200 U
1,1'-Biphenyl	92-52-4	5	2.63 U	3.03 U
1,1-Dichloroethane	75-34-3	5	0.200 U	0.200 U
1,1-Dichloroethene	75-35-4	5	0.200 U	0.200 U
1,1,1-Trichloroethane	71-55-6	5	0.200 U	0.200 U
1,1,2-Trichloroethane	79-00-5	1	0.200 U	0.200 U
1,1,1,2-Tetrachloroethane	630-20-6	5	0.200 U	0.200 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.200 U	0.200 U
1,2-Dichlorobenzene	95-50-1	3	0.200 U	0.200 U
1,2-Dichloroethane	107-06-2	0.6	0.200 U	0.200 U
1,2-Dichloroethene (cis)	156-59-2	5	0.200 U	0.200 U
1,2-Dichloroethene (trans)	156-60-5	5	0.200 U	0.200 U
1,2-Dichloropropane	78-87-5	1	0.200 U	0.200 U
1,2-Dichloropropene (cis)	10061-01-5	0.4	0.200 U	0.200 U
1,3-Dichlorobenzene	541-73-1	3	0.200 U	0.200 U
1,2,3-Trichlorobenzene	87-61-6	5	0.200 U	0.200 U
1,2,2-Trifluoroethane (113 Freon)	76-13-1	5	0.200 U	0.200 U
1,2,3-Trichloropropane	96-18-4	0.04	0.200 U	0.200 U
1,2,4-Trichlorobenzene	120-82-1	5	0.200 U	0.200 U
1,2,4-Trimethylbenzene	95-63-6	5	0.200 U	0.200 U
1,3,5-Trimethylbenzene	108-67-8	5	0.200 U	0.200 U
1,3-Dichloropropene (trans)	10061-02-6	0.4	0.200 U	0.200 U
1,3-Dichlorobenzene	541-73-1	3	0.200 U	0.200 U
1,4-Dichlorobenzene	106-46-7	3	0.200 U	0.200 U
1,4-Dioxane	123-91-1	—	40 U	40 U
2-Butanone	78-93-3	50	0.20 U	0.20 U
Acetone	67-64-1	50	1.41 J	1.12 J
Acrolein	107-02-8	5	0.200 U	0.200 U
Acrylonitrile	107-13-1	5	0.200 U	0.200 U
Benzene	71-43-2	1	0.200 U	0.200 U
Bromochloromethane	74-97-5	5	0.200 U	0.200 U
Bromodichloromethane	75-27-4	50	0.200 U	0.200 U
Bromoform	75-25-2	50	0.200 U	0.200 U
Bromomethane	74-83-9	5	0.200 U	0.200 U
n-Butylbenzene	104-51-8	5	0.200 U	0.200 U
Carbon Disulfide	75-15-0	60	0.200 U	0.200 U
Carbon tetrachloride	56-23-5	5	0.200 U	0.200 U
Chlorobenzene	108-90-7	5	0.20 U	0.20 U
Chloroethane	75-00-3	5	0.200 U	0.200 U
Chloroform	67-66-3	7	0.200 U	0.200 U
Cyclohexane	110-82-7	—	0.200 U	0.200 U
Dibromochloromethane	124-48-1	50	0.200 U	0.200 U
Dibromomethane	74-95-3	5	0.200 U	0.200 U
Dichlorodifluoromethane	75-71-8	5	0.200 U	0.200 U
Ethylbenzene	100-41-4	5	0.200 U	0.200 U
Ethylene Dibromide	106-93-4	0.0006	0.200 U	0.200 U
Hexachlorobutadiene	87-68-3	0.5	0.200 U	0.200 U
Hexachlorobenzene	118-74-1	0.04	0.0211 U	0.0242 U
2-Hexanone	591-78-6	50	0.200 U	0.200 U
Isopropyl Benzene	98-82-8	5	0.200 U	0.200 U
p-Isopropyltoluene	99-87-6	5	0.200 U	0.200 U
Methyl acetate	79-20-9	—	0.200 U	0.200 U
Methyl ethyl ketone (MEK / 2-butanone)	78-93-3	50	0.200 U	0.200 U
Methyl tert-butyl ether	1634-04-4	10	0.200 U	0.200 U
Methylene chloride	75-09-2	5	1.000 U	1.000 U
Methylcyclohexane	108-87-2	—	0.200 U	0.200 U
4-Methyl-2-Pentanone	108-10-1	—	0.200 U	0.200 U
N-nitrosodiphenylamine	86-30-6	50	2.630 U	3.030 U
Propylbenzene-n	103-65-1	5	0.200 U	0.200 U
Sec-Butylbenzene	135-98-8	5	0.200 U	0.200 U
Styrene	100-42-5	5	0.200 U	0.200 U
Tert Butyl Alcohol (TBA)	75-65-0	—	0.500 U	0.500 U
Tert-Butylbenzene	98-06-6	5	0.200 U	0.200 U
Tetrachloroethene	127-18-4	5	0.200 U	0.200 U
Toluene	108-88-3	5	0.200 U	0.200 U
Trichloroethene	79-01-6	5	0.200 U	0.200 U
Trichlorofluoromethane (Freon 11)	75-69-4	5	0.200 U	0.200 U
Vinyl Chloride	75-01-4	2	0.200 U	0.200 U
1,2-Xylene (o-Xylene)	95-47-6	5	0.200 U	0.200 U
m&p-Xylene	179601-23-1	5	0.500 U	0.500 U
Xylene (mixed)	1330-20-7	5	0.600 U	0.600 U

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
12120 Flatlands Avenue
 Brooklyn, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	053/LMW-5 053 18E0702-01 5/14/2018 ug/L Q	054/DUP-3 054 18E0702-02 5/14/2018 ug/L Q
Semi-Volatile Organic Compounds (SVOCs)				
1,1'-Biphenyl	92-52-4	5	2.630 U	3.030 U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	—	2.630 U	3.030 U
2-Chloronaphthalene	91-58-7	10	2.630 U	3.030 U
2-Chlorophenol	95-57-8	—	2.630 U	3.030 U
2-Methylnaphthalene	91-57-6	—	2.630 U	3.030 U
2-Nitroaniline	88-74-4	5	2.630 U	3.030 U
2-Nitrophenol	88-75-5	—	2.630 U	3.030 U
2,4-Dichlorophenol	120-83-2	1	2.630 U	3.030 U
2,4-Dimethylphenol	105-67-9	1	2.630 U	3.030 U
2,4-Dinitrophenol	51-28-5	1	2.630 U	3.030 U
2,4-Dinitrotoluene	121-14-2	5	2.630 U	3.030 U
2,6-Dinitrotoluene	606-20-2	5	2.630 U	3.030 U
3-Nitroaniline	99-09-2	5	2.630 U	3.030 U
3,3'-Dichlorobenzidine	91-94-1	5	2.630 U	3.030 U
3- & 4-Methylphenols	65794-96-9	1	2.630 U	3.030 U
4-Nitroaniline	100-01-6	5	2.630 U	3.030 U
4-Nitrophenol	100-02-7	1	5.260 U	6.060 U
4,6-Dinitro-2-methylphenol	534-52-1	—	2.630 U	3.030 U
Acenaphthene	83-32-9	20	0.053 U	0.061 U
Acenaphthylene	208-96-8	—	0.053 U	0.061 U
Atrazine	1912-24-9	7.5	0.526 U	0.606 U
Anthracene	120-12-7	50	0.053 U	0.061 U
Benidine	92-87-5	5	5.260 U	6.060 U
Benzo(a)anthracene	56-55-3	0.002	0.063	0.061 U
Benzo(a)pyrene	50-32-8	ND	0.053	0.061 U
Benzo(b)fluoranthene	205-99-2	0.002	0.053 U	0.061 U
Benzo(g,h,i)perylene	191-24-2	—	0.053 U	0.061 U
Benzo(k)fluoranthene	207-08-9	0.002	0.053 U	0.061 U
Benzoic acid	65-85-0	—	26.300 U	30.300 U
Benzyl alcohol	100-51-6	—	2.630 U	3.030 U
Bis(2-chloroethoxy)methane	111-91-1	5	2.630 U	3.030 U
bis(2-Chloroethyl)ether	111-44-4	1	1.050 U	1.210 U
bis(2-Ethylhexyl)phthalate	117-81-7	5	0.526 U	0.606 U
4-Bromophenyl phenyl ether	101-55-3	—	2.630 U	3.030 U
Butyl benzyl phthalate	85-68-7	50	2.630 U	3.030 U
Carbazole	86-74-8	—	2.630 U	3.030 U
4-Chlorophenyl phenyl ether	7005-72-3	—	2.630 U	3.030 U
Chrysene	218-01-9	0.002	0.053 U	0.061 U
Dibenzo(a,h)anthracene	53-70-3	—	0.053 U	0.061 U
Dibenzofuran	132-64-9	—	2.630 U	3.030 U
Diethyl phthalate	84-66-2	50	2.630 U	3.030 U
Dimethyl phthalate	131-11-3	50	2.630 U	3.030 U
Di-n-butyl phthalate	84-74-2	50	2.630 U	3.030 U
Di-n-octyl phthalate	117-84-0	50	2.630 U	3.030 U
Fluoranthene	206-44-0	50	0.105	0.073
Fluorene	86-73-7	50	0.053 U	0.061 U
Hexachlorobenzene	118-74-1	0.04	0.021 U	0.024 U
Hexachlorobutadiene	87-68-3	0.5	0.200 U	0.200 U
Hexachlorocyclopentadiene	77-47-4	5	5.260 U	6.060 U
Hexachloroethane	67-72-1	5	0.526 U	0.606 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.053 U	0.061 U
Isophorone	78-59-1	50	2.630 U	3.030 U
Naphthalene	91-20-3	10	0.053 U	0.061 U
Nitrobenzene	98-95-3	0.4	0.263 U	0.303 U
N-Nitrosodimethylamine	62-75-9	—	0.526 U	0.606 U
N-nitroso-di-n-propylamine	621-64-7	—	2.630 U	3.030 U
n-Nitrosodiphenylamine	86-30-6	50	2.630 U	3.030 U
o-Cresol(s) (2-Methylphenol)	95-48-7	1	2.630 U	3.030 U
Pentachlorophenol	87-86-5	1	0.263 U	0.303 U
Phenanthrene	85-01-8	50	0.053	0.061 U
Phenol (total)	108-95-2	1	2.630 U	3.030 U
Pyrene	129-00-0	50	0.074	0.061 U
Pesticides				
4,4'-DDE	72-55-9	0.2	0.00457 U	0.00432 U
4,4'-DDT	50-29-3	0.2	0.00457 U	0.00432 U
4,4'-DDD	72-54-8	0.3	0.00457 U	0.00432 U
Aldrin	309-00-2	ND	0.00457 U	0.00432 U
Alpha-BHC	319-84-6	0.01	0.00457 U	0.00432 U
Beta-BHC	319-85-7	0.04	0.00457 U	0.00432 U
Chlordane	57-74-9	0.05	0.02290 U	0.02160 U
Delta-BHC	319-86-8	0.04	0.00457 U	0.00432 U
Dieldrin	60-57-1	0.004	0.00229 U	0.00216 U
Endosulfan I	959-98-8	—	0.00457 U	0.00432 U
Endosulfan II	33213-65-9	—	0.00457 U	0.00432 U
Endosulfan Sulfate	1031-07-8	—	0.00457 U	0.00432 U
Endrin	72-20-8	ND	0.00457 U	0.00432 U
Endrin aldehyde	7421-93-4	5	0.0114 U	0.0108 U
Endrin ketone	53494-70-5	5	0.0114 U	0.0108 U
Heptachlor	76-44-8	0.04	0.00457 U	0.00432 U
Heptachlor epoxide	1024-57-3	0.03	0.00457 U	0.00432 U
Methoxychlor	72-43-5	35	0.00457 U	0.00432 U
Toxaphene	8001-35-2	0.06	0.114 U	0.108 U

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
12120 Flatlands Avenue
 Brooklyn, New York

Sample ID:			053/LMW-5		054/DUP-3
Langan Sample Number:			053		054
Laboratory Sample Number:			18E0702-01		18E0702-02
Sampling Date:			5/14/2018		5/14/2018
Units:			ug/L	Q	ug/L
Polychlorinated biphenyls (PCBs)					
Pcb-1016 (Aroclor 1016)	12674-11-2	0.09	0.0571	U	0.0541
Pcb-1221 (Aroclor 1221)	11104-28-2	0.09	0.0571	U	0.0541
Pcb-1232 (Aroclor 1232)	11141-16-5	0.09	0.0571	U	0.0541
Pcb-1242 (Aroclor 1242)	53469-21-9	0.09	0.0571	U	0.0541
Pcb-1248 (Aroclor 1248)	12672-29-6	0.09	0.0571	U	0.0541
Pcb-1254 (Aroclor 1254)	11097-69-1	0.09	0.0571	U	0.0541
Pcb-1260 (Aroclor 1260)	11096-82-5	0.09	0.0571	U	0.0541
Total PCBs	1336-36-3	0.09	0.0571	U	0.0541
Metals					
Aluminum	7429-90-5	—	480.00		55.60
Antimony	7440-36-0	3	1.11	U	1.11
Arsenic	7440-38-2	25	1.11	U	1.11
Barium	7440-39-3	1,000	506		11
Beryllium	7440-41-7	3	1.11	U	1.11
Cadmium	7440-43-9	5	1.11	U	1.11
Calcium	7440-70-2	—	225,000		55.60
Chromium, Hexavalent	18540-29-9	50	10	U	10
Chromium, Trivalent	16065-83-1	—	10	U	10
Cobalt	7440-48-4	—	5.56	U	5.56
Copper	7440-50-8	200	9.56		5.56
Iron	7439-89-6	300	32,800		22.2
Lead	7439-92-1	25	53		5.56
Magnesium	7439-95-4	35,000	23,500		55.60
Manganese	7439-96-5	300	1,030		5.56
Mercury (elemental)	7439-97-6	0.7	0.2	U	0.2
Nickel	7440-02-0	100	5.56	U	5.56
Potassium	7440-09-7	—	13,800	B	55.60
Selenium	7782-49-2	10	1.98		1.94
Silver	7440-22-4	50	5.56	U	5.56
Sodium	7440-23-5	20,000	25,900	B	111.00
Thallium	7440-28-0	0.5	1.11	U	1.11
Vanadium	7440-62-2	—	11.100	U	11.100
Zinc	7440-66-6	2,000	76.4		16.7
Dissolved Metals					
Aluminum	7429-90-5D	—	55.6	U	55.6
Antimony	7440-36-0D	3	1.110	U	1.110
Arsenic	7440-38-2D	25	1.110	U	1.110
Barium	7440-39-3D	1,000	378		371
Beryllium	7440-41-7D	3	1.110	U	1.110
Cadmium	7440-43-9D	5	1.110	U	1.110
Calcium	7440-70-2D	—	224,000		220,000
Chromium	7440-47-3D	50	5.56	U	5.56
Cobalt	7440-48-4D	—	5.56	U	5.56
Copper	7440-50-8D	200	5.56		5.56
Iron	7439-89-6D	300	7,000		6,980
Lead	7439-92-1D	25	5.56	U	5.56
Magnesium	7439-95-4D	35,000	23,900		23,000
Manganese	7439-96-5D	300	1,030		999
Mercury (elemental)	7439-97-6D	0.7	0.2	U	0.2
Nickel	7440-02-0D	100	5.56	U	5.56
Potassium	7440-09-7D	—	13,000		12,800
Selenium	7782-49-2D	10	1.84		2.27
Silver	7440-22-4D	50	5.56	U	5.56
Sodium	7440-23-5D	20,000	25,900		25,800
Thallium	7440-28-0D	0.5	1.11	U	1.11
Vanadium	7440-62-2D	—	11.1	U	11.1
Zinc	7440-66-6D	2,000	22.5		18.1

NOTES:

1. DEC establishes water quality standards and other criteria for many specific substances and are found in NYS regulation 6 NYCRR Part 703.5 (current through February 15, 2016). In the absence of established water quality standards, numeric guidance values are derived and compiled in Division of Water guidance (TOGS 1.1.1) (updated June 2004). Ambient standards and guidance values are supported by technical documents called "Fact Sheets" that are also available upon request from the <http://www.dec.ny.gov/chemical/23853.html>
<http://www.dec.ny.gov/regulations/2652.html>

ug/L: micrograms per liter

Exceedances of regulatory criteria are highlighted and **bold**.

Italicized results indicate the Reporting Limit (RL) is greater than or equal to the most stringent criteria.

— : Indicates that no regulatory limit has been established for this analyte

NA: Compound not analyzed

Q is the Qualifier Column with definitions as follows:

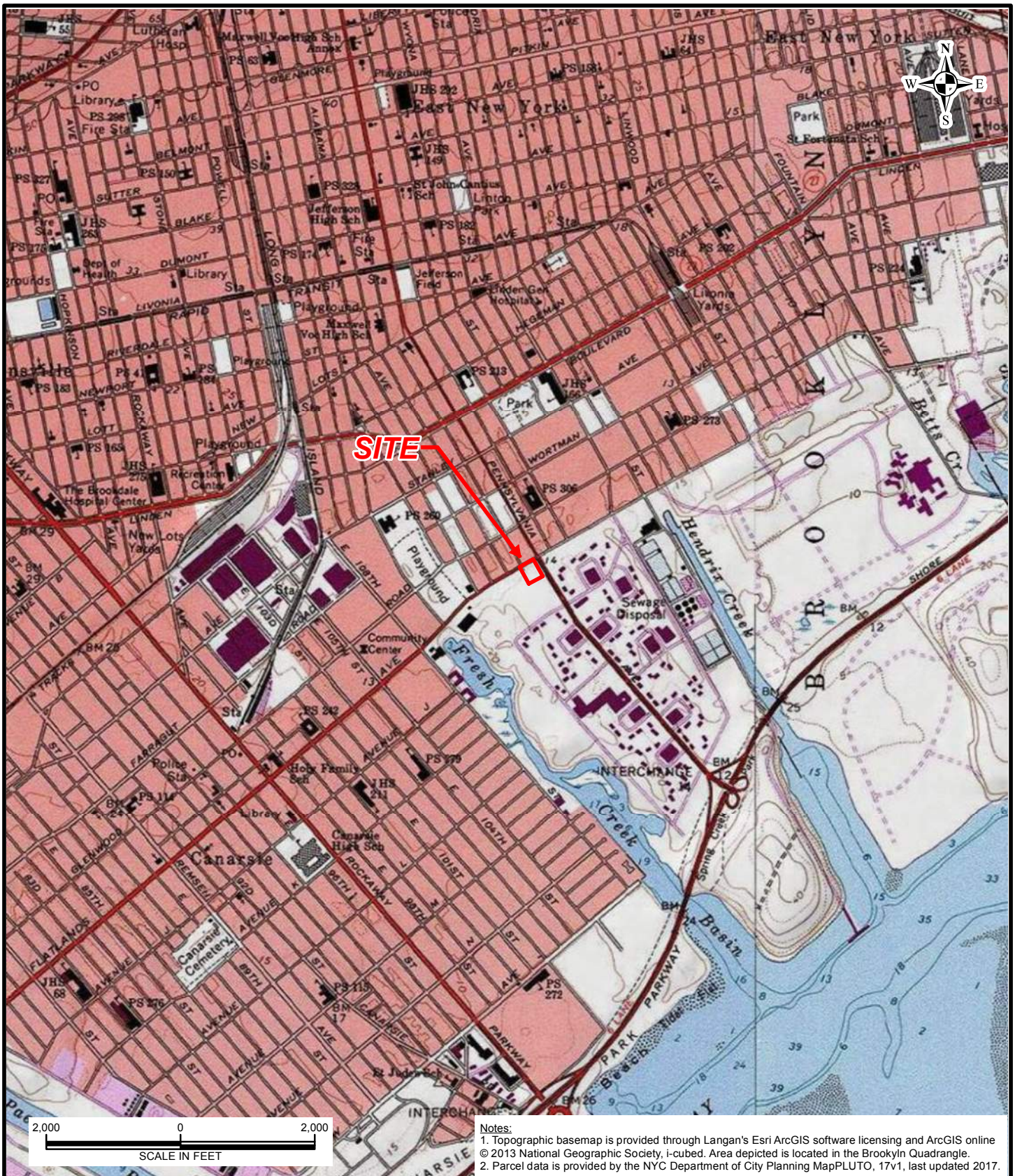
D: Result is from an analysis that required a dilution

J: Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U: Analyte not detected at or above the level indicated

B: Analyte present in the analysis batch blank

FIGURES



LANGAN

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

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

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

**12120 FLATLANDS
AVENUE**

BLOCK No. 4434, LOT No. 1 (portion)

BROOKLYN

KINGS COUNTY

NEW YORK

Drawing Title

**SITE LOCATION
MAP**

Project No.

100688801

Date

7/19/2018

Scale

1"=2,000'

Drawn By

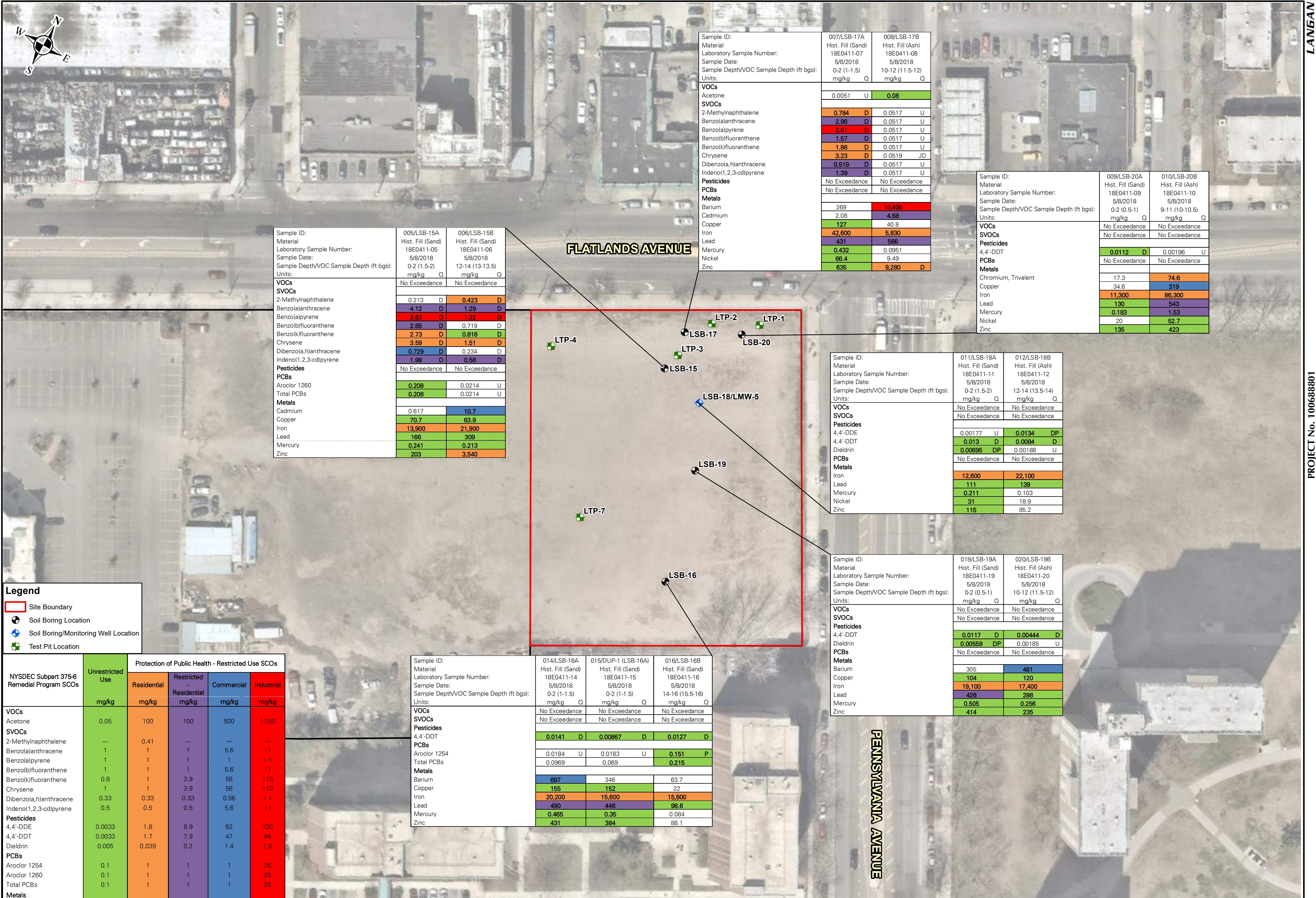
JR

Last Revised

7/19/2018

Figure

1



Legend

- Site Boundary
- Soil Boring Location
- Soil Boring/Monitoring Well Location
- Test Pit Location

NYSDEC Subpart 375-6 Remedial Program SCOs	Unrestricted Use	Protection of Public Health - Restricted Use SCOs			
		Residential	Restricted - Residential	Commercial	Industrial
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs					
Acetone	0.05	100	100	500	1,000
SVOCs					
2-Methylnaphthalene	—	0.41	—	—	—
Benzo(a)anthracene	1	1	1	5.6	11
Benzo(a)pyrene	1	1	1	1	1.1
Benzo(b)fluoranthene	1	1	1	5.6	11
Benzo(k)fluoranthene	0.8	1	3.9	56	110
Chrysene	1	1	3.9	56	110
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1.1
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	11
Pesticides					
4,4'-DDE	0.0033	1.8	8.9	62	120
4,4'-DDT	0.0033	1.7	7.9	47	94
Dieldrin	0.005	0.039	0.2	1.4	2.8
PCBs					
Aroclor 1254	0.1	1	1	1	25
Aroclor 1260	0.1	1	1	1	25
Total PCBs	0.1	1	1	1	25
Metals					
Barium	350	350	400	400	10,000
Cadmium	2.5	2.5	4.3	9.3	60
Chromium, Trivalent	30	36	180	1500	6,800
Copper	50	270	270	270	10,000
Iron	—	2,000	—	—	—
Lead	63	400	400	1,000	3,900
Mercury	0.18	0.81	0.81	3	6
Nickel	30	140	310	310	10,000
Zinc	109	2,200	10,000	10,000	10,000

Sample ID:	014/LSB-16A	015/DUP-1 (LSB-16A)	016/LSB-16B
Material	Hist. Fill (Sand)	Hist. Fill (Sand)	Hist. Fill (Sand)
Laboratory Sample Number:	18E0411-14	18E0411-15	18E0411-16
Sample Date:	5/8/2018	5/8/2018	5/8/2018
Sample Depth/VOC Sample Depth (ft bgs):	0-2 (1-1.5)	0-2 (1-1.5)	14-16 (15.5-16)
Units:	mg/kg Q	mg/kg Q	mg/kg Q
VOCs	No Exceedance	No Exceedance	No Exceedance
SVOCs	No Exceedance	No Exceedance	No Exceedance
Pesticides			
4,4'-DDT	0.0141 D	0.00867 D	0.0127 D
PCBs			
Aroclor 1254	0.0184 U	0.0183 U	0.151 P
Total PCBs	0.0969	0.069	0.215
Metals			
Barium	697	346	63.7
Copper	155	152	22
Iron	20,200	15,600	15,900
Lead	490	446	98.6
Mercury	0.465	0.35	0.084
Zinc	431	384	88.1

Sample ID:	011/LSB-18A	012/LSB-18B
Material	Hist. Fill (Sand)	Hist. Fill (Ash)
Laboratory Sample Number:	18E0411-11	18E0411-12
Sample Date:	5/8/2018	5/8/2018
Sample Depth/VOC Sample Depth (ft bgs):	0-2 (1.5-2)	12-14 (13.5-14)
Units:	mg/kg Q	mg/kg Q
VOCs	No Exceedance	No Exceedance
SVOCs	No Exceedance	No Exceedance
Pesticides		
4,4'-DDE	0.00177 U	0.0134 DP
4,4'-DDT	0.013 D	0.0084 D
Dieldrin	0.00695 DP	0.00188 U
PCBs	No Exceedance	No Exceedance
Metals		
Iron	12,600	22,100
Lead	111	139
Mercury	0.211	0.103
Nickel	31	18.9
Zinc	115	95.2

Sample ID:	019/LSB-19A	020/LSB-19B
Material	Hist. Fill (Sand)	Hist. Fill (Ash)
Laboratory Sample Number:	18E0411-19	18E0411-20
Sample Date:	5/8/2018	5/8/2018
Sample Depth/VOC Sample Depth (ft bgs):	0-2 (0.5-1)	10-12 (11.5-12)
Units:	mg/kg Q	mg/kg Q
VOCs	No Exceedance	No Exceedance
SVOCs	No Exceedance	No Exceedance
Pesticides		
4,4'-DDT	0.0117 D	0.00444 D
Dieldrin	0.00559 DP	0.00185 U
PCBs	No Exceedance	No Exceedance
Metals		
Barium	305	481
Copper	104	120
Iron	19,100	17,400
Lead	426	288
Mercury	0.505	0.256
Zinc	414	235

References:
1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown on 4/8/2018.
2. Site boundary shown is proposed new tax lot as provided by GO UCL, LLC.
3. Soil boring, monitoring well, and test pit locations shown are based on field measurements taken from the nearest property boundary.

LANGAN
300 Kimball Drive, Parsippany, NJ 07054
T: 973.560.4900 F: 973.560.4901 www.langan.com
NEW JERSEY NEW YORK VIRGINIA CALIFORNIA
PENNSYLVANIA CONNECTICUT FLORIDA
ABU DHABI ATHENS DOHA
DUBAI ISTANBUL
Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying Landscape Architecture, and Geology, P.C.
Langan International LLC
Collectively known as Langan

Project
12120 FLATLANDS AVENUE
BLOCK No. 4434, LOT No. 1
BROOKLYN
KINGS COUNTY NEW YORK

Drawing Title
SOIL SAMPLE LOCATION MAP AND ANALYTICAL RESULTS

Project No.	100688801	Figure 2
Date	6/22/2018	
Scale	1" = 50'	
Drawn By	ATR	
Last Revised	7/27/2018	



Legend

Site Boundary

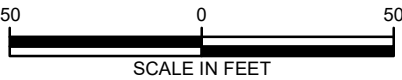
Soil Boring Location

Soil Boring/Monitoring Well Location

Test Pit Location

Groundwater Part 703 and TOGS 1.1.1 Combined	Ground Water Quality Standards ug/L
VOCs	No Exceedances
SVOCs	No Exceedances
Benzo(a)anthracene	0.002
PCBs	No Exceedances
Total Metals	
Iron	300
Lead	25
Manganese	300
Sodium	20,000
Dissolved Metals	
Iron	300
Manganese	300
Sodium	20,000

References:
1. Aerial imagery provided by Langan's subscription to Nearmap.com. Aerial flown on 4/8/2018.
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LANGAN

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

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Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

12120 FLATLANDS AVENUE
BLOCK No. 4434, LOT No. 1
BROOKLYN
KINGS COUNTY NEW YORK

Drawing Title

GROUNDWATER
SAMPLE LOCATION
MAP AND
ANALYTICAL RESULTS

Project No.
100688801

Date
6/22/2018

Scale
1 " = 50 '

Drawn By
ATR

Last Revised
7/27/2018

Figure
3

Sample ID:	053/LMW-5	054/DUP-3
Langan Sample Number:	053	054
Laboratory Sample Number:	18E0702-01	18E0702-02
Sampling Date:	5/14/2018	5/14/2018
Units:	ug/L Q	ug/L Q
VOCs	No Exceedances	No Exceedances
SVOCs	No Exceedances	No Exceedances
Benzo(a)anthracene	0.0632	0.0606 U
PCBs	No Exceedances	No Exceedances
Metals		
Iron	32,800	22.2 U
Lead	53.3	5.56 U
Manganese	1,030	5.56 U
Sodium	25,900 B	111 U
Dissolved Metals		
Iron	7,000	6,980
Manganese	1,030	999
Sodium	25,900	25,800

APPENDIX A

GEOPHYSICAL INVESTIGATION REPORT

GPR
MAGNETICS
ELECTROMAGNETICS
SEISMICS
RESISTIVITY
UTILITY LOCATION
UXO DETECTION
BOREHOLE CAMERA
STAFF SUPPORT

Results of a Geophysical Investigation

**12020 Flatlands Avenue
Brooklyn, New York**

**Prepared for: Langan Engineering & Environmental Services
Parsippany, New Jersey**

Date of Investigation: November 29, 2017



12020 Flatlands Avenue, Brooklyn, New York
Aerial photo provided by Google Earth.

NEW YORK
225 N Route 303
Suite 102
Congers
New York 10920
(845) 268-1800
(845) 268-1802 Fax

VIRGINIA
P.O. Box 7325
Charlottesville
Virginia 22906
(434) 978-3187
(434) 973-9791 Fax

Prepared by:



Gerald Williamson
Geologist—Project Manager
NAEVA Geophysics, Inc.
225 North Route 303, Suite 102
Congers, NY 10920

Contents

1.0	Introduction
1.1	Purpose of Investigation
1.2	Area of Investigation
2.0	Methods and Instrumentation
2.1	EM61
2.2	Ground Penetrating Radar
2.3	TW-6
2.4	Utility Locating Instruments
2.5	Global Positioning System (GPS)
3.0	Field Operations
3.1	Geophysical Sampling Grid Set-up
3.2	Geophysical Data Collection
3.3	Geophysical Data Processing and Interpretation
3.4	Electromagnetic Anomaly Follow-up Investigation
4.0	Results
Table 1	GPS Coordinates of Proposed Boring Locations
Figure 1	Results of a Geophysical Investigation, 12020 Flatlands Avenue, Brooklyn, New York

1.0 Introduction

1.1 Purpose of Investigation

On November 29, 2017, NAEVA Geophysics, Inc. conducted a geophysical investigation on portions of a property located at 12020 Flatlands Avenue in Brooklyn, New York. The purpose of the investigation was to attempt to identify evidence of underground storage tanks (USTs) in the footprint of a former fueling service station, and to mark out detectable subsurface utilities and obstructions in an approximate 10-foot radius of five (5) proposed boring locations.

1.2 Area of Investigation

The area investigated for USTs was an approximately 140 by 105-foot area located in the northeastern section of the property, where a former gasoline service station was located (see Figure 1). The area was a dirt covered vacant lot, that was bounded on the north and east sides by a chain link fence. Of the five (5) proposed boring locations, four (4) were located in the same area as the UST investigation, and one (1) was located in the same vacant lot, approximately 140 feet west of the UST area.

2.0 Methods and Instrumentation

The equipment used for this investigation included a Geonics EM61 electromagnetic metal-detector, a Mala/RAMAC ground penetrating radar (GPR) system with a 250 MHz antenna, a Fisher TW-6 Pipe and Cable Locator (a type of electromagnetic metal-detector), a 3M Dynatel 2250 Cable Locator, a Subsite 950 utility locator, and a Trimble Pathfinder ProXRT global positioning system (GPS) with an external dual-frequency antenna.

2.1 EM61

The EM61 is a high-resolution time-domain metal-detector that is capable of detecting both ferrous and non-ferrous metallic objects. The EM61 consists of three major parts: a hand-pulled cart housing the twin 1 meter by 1 meter transmitter/receiver coil assembly, a backpack containing the battery and processing electronics, and a digital data recorder. In this cart-mounted configuration, the instrument was ideally suited for use over the relatively open and smooth areas at this site.

The EM61's transmitter generates a pulsed primary magnetic field, which then induces eddy currents in nearby metallic objects. The decay of these eddy currents is measured by each of two spatially separated receiver coils and is expressed in millivolts (mV). The coils' responses are recorded by an integrated data logger and displayed as two channel data. The

response curves from the receiver coils are typically well-defined positive peaks that allow accurate lateral location of targets. It should be noted that the instrument cannot be utilized in close proximity to aboveground metallic objects such as chain-link fences.



Geonics EM61 electromagnetic metal-detector

2.2 Ground Penetrating Radar

The Mala/RAMAC GPR system with a 250 MHz antenna consists of four major parts: a 4-wheeled chassis with an integrated odometer, a transmitter/receiver antenna, a battery unit, and a digital video logger (DVL). The GPR's transmitter radiates a short pulse of electromagnetic energy into the ground. When this pulse strikes an interface between layers of material having different dielectric properties, a portion of the energy is reflected back to the surface, while the remaining energy continues on to the next interface. The GPR records these reflections versus time in nanoseconds (two-way travel time), or depth when using an appropriate radar velocity, and displays them in real-time via the DVL as a vertical column of data on the screen. As the GPR moves, the integrated odometer triggers the system to collect data at fixed scan intervals of approximately every 1.2 inches. As the individual data lines build up, they create a continuous image. These profiles are then examined for parabolic reflections that could be interpreted as representing subsurface utilities or other buried objects.

GPR can often provide high-resolution cross-sectional images of buried objects, but its suitability is site-specific. In general, better results are obtained in dry, resistive, sandy soils than in wet, clayey, or conductive soils. Lower frequency signals provide greater depth of penetration, but less resolution, than higher frequency antennas. The 250 MHz shielded antenna is commonly used in urban environments for delineating both metallic and nonmetallic subsurface utilities and other buried features.



Mala/RAMAC Ground Penetrating Radar (GPR)

2.3 TW-6

The Fisher TW-6 Pipe and Cable Locator, also known as the M-Scope, is a type of hand-held electromagnetic metal-detector. The instrument consists of a transmitter coil with a frequency of 81.92 kHz and a receiver coil mounted at opposite ends of a 4-foot horizontal staff. The transmitter is fixed in a vertical position. The receiver's orientation is then adjusted to the horizontal, exactly perpendicular to the transmitter. When the receiver is in this perpendicular orientation, its response to the transmitter is at a minimum. Metallic objects in the vicinity of the instrument pick up the transmitted signal, and acting as secondary transmitters, cause detectable interference at the receiver. By adjusting the gain of the instrument, as well as its position relative to a buried metallic object, an experienced operator can often obtain information as to the size or shape of the target. For this survey, the TW-6 was carried over the EM61 anomalies in a series of bi-directional parallel traverses to search for buried metallic conduits and structures that could potentially cause the anomalies.



TW-6 hand-held metal-detector

2.4 Utility Locating Instruments

The Subsite 950 and Dynatel 2250 utility locators were utilized, both actively and passively, to search for subsurface utilities. For active location, these instruments work by applying a radio frequency signal onto a metallic/electrically conductive line. The signal is then traced at the surface using the instrument's receiver. Passive signals are electromagnetic fields that occur "naturally," without any input from the utility locating instrument's transmitter. For example, many utilities carry electric currents and therefore produce electromagnetic fields that can be detected at the surface. In addition, buried metallic lines, acting as antenna, often pick up and re-radiate background vibrations and commercial radio signals. The utility-locating instruments can be used to search for evidence of these passive signals.

To investigate non-metallic utilities such as ceramic or PVC sewers, a signal can be conducted onto a flexible steel antenna inserted into the line. This signal allows the line to be detected at the ground surface by an operator using the receiver. For larger diameter pipes, a radio transmitting beacon with a frequency of 33 kHz is advanced into the lines using a fiberglass rod. It should be noted that the beacon can be only used for delineating non-metallic pipes.



Subsite utility locator



2.5 Global Positioning System (GPS)

The Trimble GPS was utilized for creating a geo-referenced culture map. The GPS consists of a Pathfinder ProXRT receiver with a GLONASS satellites option, a Nomad 800GXC handheld computer with a Terrasync software package for data recording, and a Tornado external dual-frequency antenna mounted on a 2-meter (6.56 feet) carbon fiber range pole. The GPS data was post-processed using Pathfinder Office software at our Congers, New York office to achieve sub meter (~3 feet) accuracy. After the post processing, the GPS data was exported into AutoCAD® format and used to produce the map in New York Long Island State Plane coordinates (see Plate 1).



Trimble GPS and Nomad hand-held computer

3.0 Field Operations

This section provides a description of field operations for the EM61 survey, which was used to investigate for evidence of USTs. The proposed boring locations were investigated using the TW-6 metal-detector, the utility line locators, and GPR for delineating detectable subsurface utilities and structures.

3.1 Geophysical Sampling Grid Set-up

A survey grid of parallel lines spaced 5 feet apart was established in the northeastern section of the site. The purpose of the sampling grid was to facilitate a systematic approach to data collection and the reacquisition of target locations. The coordinates of each line's beginning and end points, as well as the locations of fiducial marks, were painted on the ground surface. It was expected that this 5-foot line spacing would make it possible to locate the targets of this investigation, within the depth range of the instruments.

3.2 Geophysical Data Collection

The EM61, operating in the wheel-triggered mode, collected data at approximately 0.6-foot intervals along each grid line, with fiducial marks entered into the data at every 40 feet interval. The line number, sampling direction, and starting location were entered into the instrument at the beginning of each line. The beginning and ending points of each line were also hand recorded in a field notebook, along with notes about cultural features, such as fences and other obstructions or metallic objects that could potentially affect the data.

3.3 Geophysical Data Processing and Interpretation

After completion of the data collection, the raw data from the digital recorder was transferred to a laptop computer and processed on-site using Geonics' DAT61W software. First, the starting and end points of each line were individually checked against the written field notebook for accuracy. The software then adjusted the location of data between fiducial marks by either compressing or expanding them. The adjusted data was converted to a spreadsheet format compatible with Golden's Surfer mapping software for contouring. The EM61 spreadsheet data available for contouring includes bottom coil, top coil, and differential (top coil minus bottom coil) responses. After a review of each, the bottom coil data was chosen and contoured.

3.4 Electromagnetic Anomaly Follow-up Investigation

Follow-up investigations were based upon EM anomalies identified in the EM61 data contour map. Using the grid coordinates as a guide, significant targets were reacquired in the field. The area surrounding each EM anomaly was visually inspected for evidence of cultural features such as catch basins, chain-link fences, and metallic objects that could represent the source of the anomaly. When no obvious surface cultural interference could be identified, the anomalies were investigated using the TW-6 metal-detector in an attempt to identify underground sources and delineate their approximate surface traces. GPR data profiles were then collected along bi-directional traverses centered over the anomaly.

4.0 Results

After follow-up investigations using the EM61 bottom coil data contour map, the TW-6 metal-detector, and GPR, NAEVA identified five (5) significant EM anomalies in the area of investigation (see Figure 1). Anomaly 1 was a large EM anomaly located in the center of the area. GPR profiles collected over the anomaly indicated a strong, flat reflection at approximately 2 to 3 feet below grade. According to historical records, this anomaly matches the location of a former building, and it is likely this anomaly represents the former foundation and/or debris from the former building. Anomaly 2 was located northeast of Anomaly 1, near the chain link fence along Pennsylvania Avenue. GPR profiles collected over the anomaly were inconclusive, however, the anomaly is of sufficient size and shape to potentially represent one or more USTs. Anomalies 3 and 4 were located northwest of Anomaly 1, near the chain link fence along Flatlands Avenue. GPR profiles collected over the anomalies indicated strong reflections at approximately 2 to 3 feet below grade. The GPR data did not indicate the classic hyperbolic reflections typically associated with USTs, however, the anomalies are of sufficient size and shape to potentially contain one or more USTs. Anomaly 5 was a smaller EM anomaly located just southwest of Anomaly 1. GPR profiles collected over the anomaly indicated hyperbolic reflections typically associated with USTs at approximately 1 to 3 feet below grade, and the anomaly is large enough to potentially represent a 275 gallon UST.

NAEVA also marked out detectable subsurface utilities and obstructions in a 10-foot radius around five (5) proposed boring locations (LSB 1 through LSB 5 on Figure 1). The GPS

locations were recorded in the field and are indicated in Table 1 and on Figure 1. All coordinates are in New York Long Island State Plane Coordinate System, Datum NAD 83.

Table 1. GPS Coordinates of Proposed Boring Locations

Proposed Boring ID	Easting	Northing
LSB 1	1015560.783	176860.651
LSB 2	1015695.206	176938.613
LSB 3	1015734.248	176926.745
LSB 4	1015799.496	176956.699
LSB 5	1015732.186	176988.244



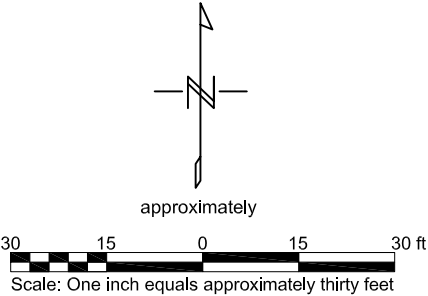
LEGEND

-  area of EM investigation
-  metal-detector anomaly
-  proposed boring location
-  suspected utility
-  chain-link fence

GPS COORDINATES OF PROPOSED BORING LOCATIONS

BORING ID	EASTING	NORTHING
LSB 1	1015560.783	176860.651
LSB 2	1015695.206	176938.613
LSB 3	1015734.248	176926.745
LSB 4	1015799.496	176956.699
LSB 5	1015732.186	176988.244

coordinates in New York Long Island State Plane Coordinate System, Datum NAD 83



225 N Route 303, Suite 102
Congers, NY 10920
(845)268-1800
(845)268-1802 FAX

**Figure 1. Results of a Geophysical Investigation
12020 Flatlands Avenue
Brooklyn, New York**

Client	LANGAN	Date of Work	November 29, 2017
Project No.	C1711291X	Map By	Kelly Weyer

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

APPENDIX B

TEST PIT LOGS

PROJECT 12120 Flatlands Avenue		PROJECT NO. 100688801	
LOCATION Brooklyn, NY		ELEVATION AND DATUM Approx el +10' NAVD 88	
EXCAVATION CONTRACTOR AARCO Environmental Services Corp./Tim Kelly		DATE 5/7/2018	COMPLETION DEPTH 5'
EXCAVATION EQUIPMENT Bobcat E35 Mini Excavator		OBSERVED WATER LEVEL DATA NA	

FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	PID (ppm)	REMARKS
FILL	0-1' brown f-m SAND some f-c gravel trc sand, brick, silt [dry]	1		Begin excavating at 0810 Multirac not delivered ☐ Apparent engineered fill
	1'-1.3' concrete/asphalt	2		
	1.3'-2' light brown f-m SAND some f-c gravel trc sand, silt [dry]	3		
	2'-3.5' brown f-m SAND some f-c gravel trc sand, silt, wood, slag [dry]	4		
	3.5'-5' white/gray/brown m-c SAND some f-c gravel tr f sand, silt, metal, shoes, plastic, glass, porcelain [dry]	5		
		6		End of pit at 5' bry at 0830
		7		
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		

PROJECT 12120 Flatlands Avenue		PROJECT NO. 100688801	
LOCATION Brooklyn, NY		ELEVATION AND DATUM Approx el +10' NAVD 88	
EXCAVATION CONTRACTOR AARCO Environmental Services Corp./Tim Kelly		DATE 5/7/2018	COMPLETION DEPTH 6.5'
EXCAVATION EQUIPMENT Bobcat E35 Mini Excavator		OBSERVED WATER LEVEL DATA NA	

FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	PID (ppm)	REMARKS
FILL	0-1.5' brown f-m SAND some f-c gravel tr c sand, brick, glass, fabric [dry]	1		Begin excavating at 0945 Municipal not delivered. } Apparent engineered fill
	1.5'-1.8' concrete/asphalt	2		
	1.8'-3.5' light brown f-m SAND some f-c gravel tr c sand, silt, brick [dry]	3		
		4		
		5		
	3.5'-5' white/gray m-c SAND some f-c gravel tr f sand, silt, metal, brick, slag [dry]	6		
		7		
	5.5'-6.3' concrete/asphalt	8		
		9		
	5.3'-6.5' dark gray/white m-c SAND some f-c gravel tr f sand, silt, metal, slag [dry]	10		
		11		End of pit at 6.5' bsg at 1000
		12		
		13		
		14		
		15		
		16		

PROJECT 12120 Flatlands Avenue			PROJECT NO. 100688801	
LOCATION Brooklyn, NY			ELEVATION AND DATUM Approx el +10' NAVD 88	
EXCAVATION CONTRACTOR AARCO Environmental Services Corp./Tim Kelly			DATE 5/7/2018	COMPLETION DEPTH <u>6'</u>
EXCAVATION EQUIPMENT Bobcat E35 Mini Excavator			OBSERVED WATER LEVEL DATA NA	
FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	PID (ppm)	REMARKS
FILL	0'-2' brown f-m SAND some conciete tr brick, f-c gravel, silt [any]	1		Begin excavating at 1025
	2'-4.5' light brown f-m SAND some c sand tr f-c gravel, silt [any]	2		Mutirae not delivered
	4.5'-6' white/gray m-c SAND some f gravel tr f sand, silt, metal, glass, wood, slag [any]	3		] Apparent engineered fill
		4		
		5		
		6		
		7		End of pit at 6' bsg at 1035
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		

PROJECT 12120 Flatlands Avenue			PROJECT NO. 100688801	
LOCATION Brooklyn, NY			ELEVATION AND DATUM Approx el +10' NAVD 88	
EXCAVATION CONTRACTOR AARCO Environmental Services Corp./Tim Kelly			DATE 5/7/2018	COMPLETION DEPTH 6'
EXCAVATION EQUIPMENT Bobcat E35 Mini Excavator			OBSERVED WATER LEVEL DATA NA	
FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	PID (ppm)	REMARKS
FILL	0-2' brown f-m SAND some f-c gravel tr silt c sand, brick, glass, tile, wire, metal [dry]	1		Begin excavating at 1040
	2'-3' light brown f-m SAND some c sand tr f-c gravel, silt [dry]	2		Multirae not delivered
	3'-3.5' white/gray m-c SAND some f gravel tr f sand, silt, metal, glass, wood, asphalt, slag [dry]	3		] apparent engineered fill
	3.5'-4.5' brown f-m SAND tr f-c gravel, c sand, brick, glass, metal, silt [dry]	4		
	4.5'-6' white/gray m-c SAND some f gravel tr f sand, silt, metal, glass, wood, asphalt, slag [dry]	5		
		6		
		7	End of pit at 6' bsg at 1050	
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		

PROJECT	12120 Flatlands Avenue	PROJECT NO.	100688801
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	Approx el +10' NAVD 88
EXCAVATION CONTRACTOR	AARCO Environmental Services Corp./Tim Kelly	DATE	5/7/2018
EXCAVATION EQUIPMENT	Bobcat E35 Mini Excavator	COMPLETION DEPTH	5.5'
		OBSERVED WATER LEVEL DATA	NA

FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	PID (ppm)	REMARKS
FILL	0'-1' light brown f-m SAND		0.0	Begin excavating at 1200
	some f-c gravel tr c	1	0.0	
	sand, silt, brick, concrete,		0.1	
	wire, wood [dry]	2	0.0	
	1'-2' brown f-m SAND		0.1	discontinuous concrete
	some f-c gravel, concrete	3	0.2	pieces
	tr c sand, silt, wood,		0.1	
	brick, glass [dry]	4	0.0	
	2'-2.5' concrete [dry]		0.1	
	2.5'-5.5' black/dark	5	0.0	
	brown f-m SAND some	6		End of pit at 5.5' bsg at
	f-c gravel, concrete,			1240
	tr c sand, silt, brick,	7		
	wood, plastic, metal			
	[dry]	8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		

APPENDIX C

SOIL BORING LOGS

PROJECT 12120 Flatlands Avenue		PROJECT NO. 100688801	
LOCATION Brooklyn, NY		ELEVATION AND DATUM <u>Approximate el +110 NAVD83</u>	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED <u>5/8/2018</u>	DATE FINISHED <u>5/8/2018</u>
DRILLING EQUIPMENT <u>Geoprobe 7822 DT</u>		COMPLETION DEPTH <u>20'</u>	ROCK DEPTH <u>—</u>
SIZE AND TYPE OF BIT <u>Direct Push</u>		LOCATION Brooklyn, NY	
CASING	2" X 4" Stainless Steel	NO. SAMPLES	DIST. <u>—</u> UNDIST. <u>5</u> CORE <u>—</u>
CASING HAMMER	WEIGHT <u>—</u> DROP <u>—</u>	WATER LEVEL	FIRST <u>14</u> COMPL. <u>—</u> 24 HR <u>—</u>
SAMPLER	1.5" X 4" Acetate Lined Macrocule		
SAMPLER HAMMER	WEIGHT <u>—</u> DROP <u>—</u>	FOREMAN <u>AARCO/TM Kelly</u>	
		LANGAN REP. <u>Allyson Kritzer</u>	

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOVER	PID (ppm)	
FILL	0-2.5" brown f-m loose SAND some f-c gravel tr c sand, silt, brick, wood, concrete [dry]	1	1	Direct Push	2.5"	0.0	Begin Drilling @ 0753
		2				0.0	LSB-15A 0-2 (1.5 2) @ 0810
		3				0.0	
	0-1'1" brown f-m loose SAND some f-c gravel tr c sand, silt, concrete, brick [dry]	4				0.0	
		5				0.0	
	1'1"-2'11" light brown f-m loose SAND w f-c gravel, c sand, silt [dry]	6	2	Direct Push	3.10"	0.0	
		7				0.0	
	2'11"-3'10" brown m-c loose ashy SAND some f sand, f-c gravel tr silt concrete, asphalt [moist]	8				0.0	
		9				0.0	
	0-1'2" light brown f-m loose SAND tr c sand, glass, brick, concrete [moist]	10	3	Direct Push	3.5"	0.0	
		11				0.0	
	1'2"-2'5" brown m-c loose ashy SAND some f sand, f-c gravel tr silt, concrete brick, porcelain, wood, slag [moist]	12				0.0	LSB-15B 12 14 (13-13.5) @ 0815
		13				0.0	
		14	4	Direct Push	1.9"	0.0	Groundwater observed at 14'

LANGAN

JOB NO. 100688801

LOG OF BORING NO. LSB-15

DATE: 5/8/18

SHEET 2 OF 2

FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOG	TYPE	RECOV. FT.	PID (ppm)	
NATIVE	0-8" dark brown f- c loose SAND some silt tr glass, wood [moist]	14	4	Direct Push 1 1/2"		00	
		15				00	
	8'-1'9" dark brown f-m loose SAND some silt tr c sand [wet]	16				00	
		17				00	
	0-2' dark brown f-m med. dense SAND some silt tr c sand, clay [wet]	18	5	Direct Push 8"		00	
		19				00	
		20				00	
		21				00	
		22					
		23					
		24					End of boring @ 0810 at 20'
		25					
		26					
		27					
		28					
		29					
		30					
		31					
		32					

PROJECT 12120 Flatlands Avenue		PROJECT NO. 100688801	
LOCATION Brooklyn, NY		ELEVATION AND DATUM Approximate, el 110 NAVD83	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/8/2018	DATE FINISHED 5/8/2018
DRILLING EQUIPMENT Geoprobe 7822DT		COMPLETION DEPTH 20'	ROCK DEPTH
SIZE AND TYPE OF BIT Direct Push		LOCATION Brooklyn, NY	
CASING 2' x 4' Stainless Steel	NO. SAMPLES	DIST. —	UNDIST. 5
CASING HAMMER — WEIGHT — DROP —	WATER LEVEL	FIRST 18	COMPL. —
SAMPLER 1.5' x 4' Acetate Lined Macrocore	FOREMAN AARCO/Tim Kelly		
SAMPLER HAMMER — WEIGHT — DROP —	LANGAN REP. Allyson Kritzer		

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOVER.	PID (ppm)	
FILL	0-3'5" dark brown f.m med. dense SAND some c sand, f.c gravel tr silt, brick, concrete, asphalt, wood [dry]	1		Direct Push	3'5"	0.0	Begin drilling @ 1100
						0.0	
						0.0	LSB-16A and DUP-1
						0.0	0-2 (1-1.5) at 1140 and 1145
						0.0	
						0.0	
						0.0	
	0-9" brown f.m med. dense SAND some c sand, f.c gravel tr silt concrete, wood, glass [dry]	4		Direct Push	3'7"	0.0	
						0.0	
						0.0	
						0.0	
	9" 3'7" black f.m med. dense SAND some c sand, f.c gravel tr brick, wood, concrete silt [dry]	7		Direct Push	3'4"	0.0	
						0.0	
						0.0	
						0.0	
	0-3'4" dark brown/black f.m dense SAND some f.c gravel tr c sand, silt brick, concrete, asphalt, glass [moist]	10		Direct Push	3'4"	0.0	
						0.0	
						0.0	
						0.0	
	0-2' dark brown f.m med. dense SAND some silt, c sand tr f.c gravel, asphalt, concrete, wood brick [moist]	12		Direct Push	2'	0.0	
						0.0	
						0.0	
						0.0	

[moist]

LANGAN

JOB NO. 100688801

LOG OF BORING NO. LSB-16

DATE: 5/8/2018

SHEET 2 OF 2

FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOVER	PID (ppm)	
FILL	0-1 Same as above	14	4	Direct Push	0.0	0.0	LSB-16B 14-16 (15.5-16) at 1150
		15			0.0	0.0	
		16			0.0	0.0	
		17			0.0	0.0	
		18			0.0	0.0	
	1-2' grayish brown f-m loose ashy SAND some c sand to fc gravel, silt, wood, metal [wet]	19	5	Direct Push	0.0	0.0	Groundwater observed at 18'
		20			0.0	0.0	
		21			0.0	0.0	
		22			0.0	0.0	
		23			0.0	0.0	
		24					End of boring at 20' at 1125
		25					
		26					
		27					
		28					
		29					
		30					
		31					
		32					

PROJECT 12120 Flatlands Avenue		PROJECT NO. 100688801	
LOCATION Brooklyn, NY		ELEVATION AND DATUM Approximate RL 110 NAVD83	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/8/2018	DATE FINISHED 5/8/2018
DRILLING EQUIPMENT Geoprobe 7822 DT		COMPLETION DEPTH 20'	ROCK DEPTH
SIZE AND TYPE OF BIT Direct Push		LOCATION Brooklyn, NY	
CASING 2" x 4" Stainless Steel		NO. SAMPLES	DIST. UNDIST. 5 CORE
CASING HAMMER	WEIGHT	DROP	WATER LEVEL FIRST 12' COMPL. 24 HR
SAMPLER 1.5" x 4" Acetate Lined Hollow		FOREMAN Tim Kelly	
SAMPLER HAMMER		LANGAN REP. Allyson Kritzer	

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOVER	PID (ppm)	
	0-1'8" dark brown f-c loose SAND some f-c gravel tr silt, asphalt, concrete, brick [dry]	1		Direct Push	8.11"	0.0	Begin drilling @ 0815
	1'8"-2'11" light brown f-m loose SAND tr c sand, silt [dry]	2		Direct Push		0.0	LSB-17A 0-2(1-15) @ 0845
		3		Direct Push		0.0	
	0-1'9" brown f-c loose SAND some f-c gravel, concrete tr silt, brick [dry]	4		Direct Push		0.0	
		5		Direct Push		0.0	
	1'9"-4' black/dark brown f-m med. dense SAND tr glass, concrete, asphalt, silt [moist]	6		Direct Push		0.0	
		7		Direct Push		0.0	
	0-1'9" blackish gray m-c loose ashy SAND some f sand, f-c gravel tr silt, brick, concrete, slag [moist]	8		Direct Push		0.0	
		9		Direct Push		0.0	
	0-6" same as above [wet]	10		Direct Push		0.0	LSB-17B 10-12(115-12) @ 0850
		11		Direct Push		0.0	
	6"-2'10" dark brown/black f-m med. dense SAND some silt tr wood, c sand, f gravel [wet]	12		Direct Push		0.0	Groundwater observed at 12'
		13		Direct Push		0.0	
		14		Direct Push		0.0	

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV. FT. PID (ppm)	
FILL	0-4' blown m med dense SAND some f sand tr silt, c sand [wet]	14	4	Direct Push	0.0	
		15			0.0	
		00				
		00				
		16	5	Direct Push	0.0	
		17			0.0	
		18			0.0	
		19			0.0	
		20			0.0	
		21			0.0	
NATIVE		22	5	Direct Push	0.0	End of boring @ 0840 at 20'
		23			0.0	
		24			0.0	
		25			0.0	
		26			0.0	
		27			0.0	
		28			0.0	
		29			0.0	
		30			0.0	
		31			0.0	
		32			0.0	

PROJECT 12120 Flatlands Avenue		PROJECT NO. 100688801	
LOCATION Brooklyn, NY		ELEVATION AND DATUM Approximate elevation NAVD83	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/8/18	DATE FINISHED 5/8/18
DRILLING EQUIPMENT Geoprobe 7872 DT		COMPLETION DEPTH 20'	ROCK DEPTH —
SIZE AND TYPE OF BIT Direct Push		LOCATION Brooklyn, NY	
CASING 2" x 4" Stainless Steel	NO. SAMPLES	DIST. —	UNDIST. 5
CASING HAMMER WEIGHT DROP	WATER LEVEL	FIRST 14'	COMPL. 13.7'
SAMPLER 1.5" x 4" Acetate Lined Macrot	FOREMAN Anacolon Kelly		
SAMPLER HAMMER WEIGHT DROP	LANGAN REP. Allyson Kritzer		

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOVER	PID (ppm)	
FILL	0-2'7" brown f-m loose SAND some c sand tr f-c gravel, asphalt, silt, concrete, brick, glass [dry]	1		Direct Push	2'7"	0.0	Begin drilling @ 0920
		2				0.0	LSB-18A 0-2 (1.5-2) @ 0930
		3				0.0	
		4				0.0	
	0-9" same as above	5				0.0	
	9"-3'6" light brown f-m loose SAND some c sand, f-c gravel tr silt [dry]	6		Direct Push	3'6"	0.0	
	3'6"-3'8" same as above [moist]	7				0.0	
	0'1" same as above	8				0.0	
	1'-2'2" brown m-c loose ashy SAND some f sand, f-c gravel, silt, wood, asphalt, slag, concrete [moist]	9				0.0	
		10				0.0	
		11				0.0	
	0-1' brown/black f-m loose ashy SAND some f-c gravel tr silt, c sand [moist]	12				0.0	LSB-18B 12-14 (13.5-14) @ 0955
		13				0.0	
		14				0.0	Groundwater observed at 14'

LANGAN

JOB NO. 100688801

LOG OF BORING NO. LSB-18

DATE: 5/8/18

SHEET 2 OF 2

FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV. FT.	PID (ppm)	
FILL	1'-1'7" blackish gray m-c loose ashy SAND some f sand, f c gravel, silt tr wood, asphalt, concrete [moist]	14	4	Direct Push	8'11"	00	
		15				00	
		16				00	
		17				00	
	1'7"-2'11" same as above [wet]	18	5	Direct Push	1'3"	00	
		19				00	
		20				00	
		21				00	
		22				00	
		23				00	
		24				00	
		25				00	
		26				00	
		27					EOB @ 0945. LMW-5 installed. see well construction log for details.
		28					
		29					
		30					
		31					
		32					

PROJECT	12120 Flatlands Avenue			PROJECT NO.	100688801		
LOCATION	Brooklyn, NY			ELEVATION AND DATUM	Approximate elevation NAVD83		
DRILLING AGENCY	AARCO Environmental Services Corp.			DATE STARTED	5/8/2018	DATE FINISHED	5/8/2018
DRILLING EQUIPMENT	Geoprobe 7822 DT			COMPLETION DEPTH	20'	ROCK DEPTH	
SIZE AND TYPE OF BIT	Direct Push			LOCATION	Brooklyn, NY		
CASING	2" x 4" Stainless Steel			NO. SAMPLES		DIST.	
CASING HAMMER		WEIGHT		WATER LEVEL		FIRST	12'
SAMPLER	1.5" x 4" Acetate Lined Macrocue			FOREMAN	Tim Kelly		
SAMPLER HAMMER		WEIGHT		LANGAN REP.	Allyson Kritzer		

FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOVER	PID (ppm)	
	0-3' brown fm loose SAND some c sand, f/c gravel, brick, concrete, tr silt, glass, asphalt, fabric [dry]	1		Direct Push	3'	0.0	Begin drilling 1245
		2		Direct Push	3'	0.0	LSB 19A 0-2 (0.5-1) 1310
		3		Direct Push	3'	0.0	
		4		Direct Push	3'	0.0	
	0-3 1/4" same as above	5		Direct Push	3 1/4"	0.0	
	3 1/4" - 3' 7" brown/gray fm loose SAND tr c silt, silt [dry]	6		Direct Push	3' 7"	0.0	
		7		Direct Push	3' 7"	0.0	
		8		Direct Push	3' 7"	0.0	
	0-6" brown m-c loose ashy SAND some f sand, silt, tr asphalt, brick, concrete, glass [moist]	9		Direct Push	6"	0.0	LSB 19B 10-12 (11.5-12) @ 1400
		10		Direct Push	6"	0.0	methane monitoring pt. installed @ 10' bsg. see field book for details
		11		Direct Push	6"	0.0	
	0-1' 7" blackish gray m-c loose ashy SAND some f sand, silt tr f gravel, glass, asphalt, metal [wet]	12		Direct Push	1' 7"	0.0	Groundwater observed at 12'
		13		Direct Push	1' 7"	0.0	
		14		Direct Push	1' 7"	0.0	

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)	
			NO LOC	TYPE	RECOV. FT. PID (ppm)		
FILL	0-2' same as above [wet] 2'-2.8' blackish gray m-c med. dense silty/ ashy sand some f sand tr gravel, glass a sprat [wet]	14	4	Direct Push	1.7"	0.0	
		15				0.0	
		16				0.0	
		17				0.0	
		18	5	Direct Push	7.8"	0.0	
		19				0.0	
		20				0.0	
		21				0.0	
		22				0.0	
		23				0.0	
		24					EOB @ 20' at 1325
		25					
		26					
		27					
		28					
		29					
		30					
		31					
		32					

PROJECT 12120 Flatlands Avenue		PROJECT NO. 100688801	
LOCATION Brooklyn, NY		ELEVATION AND DATUM Approximate elevation 88	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/8/2018	DATE FINISHED 5/8/2018
DRILLING EQUIPMENT Geoprobe 7822 DT		COMPLETION DEPTH 20'	ROCK DEPTH —
SIZE AND TYPE OF BIT Direct Push		LOCATION Brooklyn, NY	
CASING 2" X 4" Stainless Steel	NO. SAMPLES	DIST. —	UNDIST. 5
CASING HAMMER WEIGHT DROP	WATER LEVEL	FIRST 11.5	COMPL. —
SAMPLER 1.5" X 4" Acetate Lined Macrocable	FOREMAN AARCO Tim Kelly		
SAMPLER HAMMER WEIGHT DROP	LANGAN REP. Allyson Kritzer		

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOVER FT.	PID (ppm)	
FILL	0-2'10" brown f-m med. dense SAND some f-c gravel trc sand, concrete, brick, silt [dry]	1		Direct Push	2'10"	0.0	Begin drilling @ 0850
						0.0	LSB 20A 0-2(0.5-1) @ 0905
						0.0	
	0-7" same as above [dry]	2				0.0	
	7" 1'5" light brown f-m loose SAND trc sand, silt, f-c gravel, brick [moist]	3				0.0	
						0.0	
	1'5" 3' gray m-c loose ashy SAND some f. sand, f-c gravel trc silt, concrete, wood, brick, asphalt, slag [moist]	4				0.0	
						0.0	
		5				0.0	
						0.0	
		6				0.0	
						0.0	
		7				0.0	
						0.0	
		8				0.0	
						0.0	
	0-1'6" brown f-m med. dense SAND some silt, gravel trc gravel, concrete, asphalt, silt [moist]	9				0.0	
						0.0	
		10				0.0	LSB 20B 9-11(10-10.5) @ 0920
						0.0	
		11				0.0	
						0.0	
	1'6" 2'6" gray m-c loose ashy SAND some f. sand, f-c gravel, trc silt, slag, asphalt, wood [moist]	12				0.0	
						0.0	
		13				0.0	
						0.0	
	2'6" 3' same as above	14				0.0	

[wet]

LSB 20B 9-11(10-10.5) @ 0920

Groundwater observed at 11.5'

LANGAN

JOB NO. 100688801

LOG OF BORING NO. 11B-20

DATE: 5/8/2018

SHEET 2 OF 2

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV. FT.	PID (ppm)	
NATIVE	0-1'3" dark brown/black silty f-m med dense SAND trs sand, wood, clay [wet]	14	4	Direct Push	2'9"	0.0	
		15				0.0	
		16				0.0	
		17				0.0	
	1'3"-2'9" brown f-m med. dense SAND some silt trs sand, silt [wet]	18	5	Direct Push	2'10"	0.0	
		19				0.0	
		20				0.0	
		21				0.0	
		22				0.0	
		23				0.0	
		24				0.0	
		25				0.0	
		26				0.0	
		27					End of boring @ 0910
		28					
		29					
		30					
		31					
		32					

APPENDIX D

MONITORING WELL CONSTRUCTION LOGS



WELL CONSTRUCTION SUMMARY
WELL NO. LMW-5

PROJECT 12120 Flatlands Avenue		PROJECT NUMBER 100688801	
LOCATION Brooklyn, NY		ELEVATION AND DATUM Approximate el +10 NAVD88	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/8/2018	DATE COMPLETED 5/8/2018
DRILLING EQUIPMENT Geoprobe 7822 DT		DRILLER AARCO/Tim Kelly	
SIZE AND TYPE OF BIT 2" Stainless Steel Direct Push		INSPECTOR Allyson Kritzer	
METHOD OF INSTALLATION Direct push to 20' bgs at LSB-18. 10' of 2" diameter schedule-40 solid PVC riser installed. 10' of 2" diameter schedule-40 20-slot PVC screen installed. No. 01 FilPro sand filled until 3' bgs. Hydrated bentonite chips installed to 1' bgs. Riser cut to 0.25' bgs. Manhole installed and secured with concrete.			
METHOD OF WELL DEVELOPMENT Driller used whale pump to pump water until water was sediment free; approximately 5 gallons purged			
TYPE OF CASING Schedule-40 Solid PVC		DIAMETER 2"	
TYPE OF SCREEN Schedule-40 20-slot PVC		DIAMETER 2"	
BOREHOLE DIAMETER 2"		TYPE OF BACKFILL MATERIAL None	
		TYPE OF SEAL MATERIAL Hydrated Bentonite Chips	
		TYPE OF FILTER MATERIAL No. 01 FilPro Sand	
TOP OF CASING	ELEVATION 9.75	Depth 0.25' bgs	WELL DETAILS SOIL CLASSIFICATION FILL DEPTH 0.25' bgs 1' bgs 3' bgs 10' bgs 20' bgs
TOP OF SEAL	ELEVATION 9	Depth 1' bgs	
TOP OF FILTER	ELEVATION 7	Depth 3' bgs	
TOP OF SCREEN	ELEVATION 0	Depth 10' bgs	
BOTTOM OF BORING	ELEVATION -10	Depth 20' bgs	
SCREEN LENGTH	10'		
SLOT SIZE	20 slot		
GROUNDWATER ELEVATIONS			
ELEVATION -3.7	DATE 5/8/2018		
ELEVATION	DATE		
ELEVATION	DATE		
ELEVATION	DATE		
ELEVATION	DATE		

APPENDIX E

GROUNDWATER SAMPLING FIELD SHEETS

[illegible]

LANGAN

APPENDIX F

LABORATORY ANALYTICAL DATA PACKAGES



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive

Parsipanny NJ, 07054

Attention: Amanda Forsburg

Report Date: 07/27/2018

Client Project ID: 100688801

York Project (SDG) No.: 18E0411

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 07/27/2018
Client Project ID: 100688801
York Project (SDG) No.: 18E0411

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
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 May 08, 2018 and listed below. The project was identified as your project: **100688801**.

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>
18E0411-05	005/LSB-15A	Soil	05/08/2018	05/08/2018
18E0411-06	006/LSB-15B	Soil	05/08/2018	05/08/2018
18E0411-07	007/LSB-17A	Soil	05/08/2018	05/08/2018
18E0411-08	008/LSB-17B	Soil	05/08/2018	05/08/2018
18E0411-09	009/LSB-20A	Soil	05/08/2018	05/08/2018
18E0411-10	010/LSB-20B	Soil	05/08/2018	05/08/2018
18E0411-11	011/LSB-18A	Soil	05/08/2018	05/08/2018
18E0411-12	012/LSB-18B	Soil	05/08/2018	05/08/2018
18E0411-14	014/LSB-16A	Soil	05/08/2018	05/08/2018
18E0411-15	015/DUP-1	Soil	05/08/2018	05/08/2018
18E0411-16	016/LSB-16B	Soil	05/08/2018	05/08/2018
18E0411-19	019/LSB-19A	Soil	05/08/2018	05/08/2018
18E0411-20	020/LSB-19B	Soil	05/08/2018	05/08/2018

General Notes for York Project (SDG) No.: 18E0411

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:



Benjamin Gulizia
Laboratory Director

Date: 07/27/2018





Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:10 am

05/08/2018

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	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:07	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:10 am

05/08/2018

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	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 11:07	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
67-64-1	Acetone	0.0078	SCAL- E, J	mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 8:10 am

05/08/2018

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
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-09-2	Methylene chloride	0.0094	SCAL- E, J	mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

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100688801

Soil

May 8, 2018 8:10 am

05/08/2018

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
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:07	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %		77-125							
2037-26-5	Surrogate: Toluene-d8	102 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	101 %		76-130							

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.0691	J	mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

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Soil

May 8, 2018 8:10 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-57-6	2-Methylnaphthalene	0.213		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
83-32-9	Acenaphthene	1.05		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
208-96-8	Acenaphthylene	0.0909		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
62-53-3	Aniline	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
120-12-7	Anthracene	2.55		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

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Collection Date/Time

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100688801

Soil

May 8, 2018 8:10 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
56-55-3	Benzo(a)anthracene	4.12		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
50-32-8	Benzo(a)pyrene	3.63		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
205-99-2	Benzo(b)fluoranthene	2.85		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
191-24-2	Benzo(g,h,i)perylene	2.30		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
207-08-9	Benzo(k)fluoranthene	2.73		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.111		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
86-74-8	Carbazole	0.578		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
218-01-9	Chrysene	3.59		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
53-70-3	Dibenzo(a,h)anthracene	0.729	CCV-E	mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
132-64-9	Dibenzofuran	0.607		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR



Sample Information

Client Sample ID: 005/LSB-15A

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May 8, 2018 8:10 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
206-44-0	Fluoranthene	8.52		mg/kg dry	0.442	0.882	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:08	SR
86-73-7	Fluorene	1.06		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.99	CCV-E	mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-20-3	Naphthalene	0.211		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
85-01-8	Phenanthrene	9.51		mg/kg dry	0.442	0.882	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:08	SR
108-95-2	Phenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
129-00-0	Pyrene	10.9	CCV-E	mg/kg dry	0.442	0.882	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:08	SR
110-86-1	Pyridine	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	30.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	39.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	46.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	38.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	63.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	45.3 %	24-116								



Sample Information

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May 8, 2018 8:10 am

Date Received
05/08/2018

Pesticides, 8081 target 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	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
5103-71-9	alpha-Chlordane	0.00576	GC-P	mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:43	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0348	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 10:43	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
72-20-8	Endrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
5566-34-7	gamma-Chlordane	0.00453	GC-P	mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:43	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00870	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0881	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

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Pesticides, 8081 target 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	68.1 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	14.5 %	GC-SC		30-150					
			u							

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11096-82-5	Aroclor 1260	0.208		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
1336-36-3	* Total PCBs	0.208		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 15:34	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.3 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	66.5 %			30-120					

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	5250		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-36-0	Antimony	ND		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-38-2	Arsenic	1.46		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-39-3	Barium	113		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-41-7	Beryllium	0.244		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML



Sample Information

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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
7440-43-9	Cadmium	0.617		mg/kg dry	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-70-2	Calcium	8380		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-47-3	Chromium	17.9		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-48-4	Cobalt	5.09		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-50-8	Copper	70.7		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-89-6	Iron	13900		mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-92-1	Lead	166		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-95-4	Magnesium	4220		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-96-5	Manganese	215		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-02-0	Nickel	17.0		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-09-7	Potassium	504		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-22-4	Silver	ND		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-23-5	Sodium	107		mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-62-2	Vanadium	20.5		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-66-6	Zinc	203		mg/kg dry	1.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML

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	0.241		mg/kg dry	0.0318	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 11:03	SY



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 8:10 am

Date Received

05/08/2018

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.530	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 8:15 am

Date Received

05/08/2018

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	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:39	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:15 am

05/08/2018

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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 11:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 11:39	SS
78-93-3	2-Butanone	0.0074		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
67-64-1	Acetone	0.043	SCAL-E	mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:15 am

05/08/2018

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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 8:15 am

Date Received
05/08/2018

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.012	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:39	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:15 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-57-6	2-Methylnaphthalene	0.423		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

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Soil

May 8, 2018 8:15 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
83-32-9	Acenaphthene	0.697		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
208-96-8	Acenaphthylene	0.0652	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
62-53-3	Aniline	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
120-12-7	Anthracene	0.957		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
92-87-5	Benzidine	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,PADEP	05/11/2018 19:38	SR
56-55-3	Benzo(a)anthracene	1.29		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
50-32-8	Benzo(a)pyrene	1.32		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
205-99-2	Benzo(b)fluoranthene	0.719		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
191-24-2	Benzo(g,h,i)perylene	0.742		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
207-08-9	Benzo(k)fluoranthene	0.818		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

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Soil

May 8, 2018 8:15 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.238		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
218-01-9	Chrysene	1.51		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
53-70-3	Dibenzo(a,h)anthracene	0.234	CCV-E	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
132-64-9	Dibenzofuran	0.0635	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
206-44-0	Fluoranthene	2.59		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
86-73-7	Fluorene	0.739		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.580	CCV-E	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-20-3	Naphthalene	0.120		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

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May 8, 2018 8:15 am

Date Received

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
85-01-8	Phenanthrene	3.96		mg/kg dry	0.134	0.268	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:03	SR
108-95-2	Phenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
129-00-0	Pyrene	4.58	CCV-E	mg/kg dry	0.134	0.268	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:03	SR
110-86-1	Pyridine	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	39.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	45.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	51.5 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	45.1 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	82.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	53.1 %	24-116								

Pesticides, 8081 target 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	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:58	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

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May 8, 2018 8:15 am

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Pesticides, 8081 target 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
57-74-9	Chlordane, total	ND		mg/kg dry	0.0425	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 10:58	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
72-20-8	Endrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:58	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.0106	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.107	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	49.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	16.4 %	GC-SC	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 8:15 am

Date Received
05/08/2018

Polychlorinated Biphenyls (PCB), 8082 Target 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
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 15:46	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	77.2 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	45.0 %		30-120						

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	5630		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-36-0	Antimony	0.713		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-38-2	Arsenic	3.54		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-39-3	Barium	168		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-41-7	Beryllium	0.308		mg/kg dry	0.129	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-43-9	Cadmium	10.7		mg/kg dry	0.386	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-70-2	Calcium	6550		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-47-3	Chromium	21.9		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-48-4	Cobalt	5.79		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-50-8	Copper	63.9		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7439-89-6	Iron	21900		mg/kg dry	2.57	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7439-92-1	Lead	309		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 8:15 am

Date Received

05/08/2018

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
7439-95-4	Magnesium	1560		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7439-96-5	Manganese	192		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-02-0	Nickel	15.0		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-09-7	Potassium	431		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7782-49-2	Selenium	ND		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-22-4	Silver	ND		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-23-5	Sodium	130		mg/kg dry	12.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-28-0	Thallium	ND		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-62-2	Vanadium	15.7		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-66-6	Zinc	3540		mg/kg dry	1.93	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML

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	0.213		mg/kg dry	0.0386	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 11:52	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	77.7		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.644	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:15 am

05/08/2018

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:45 am

05/08/2018

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	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:45 am

05/08/2018

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
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
67-64-1	Acetone	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:45 am

05/08/2018

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
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

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100688801

Soil

May 8, 2018 8:45 am

05/08/2018

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
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 12:10	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.113		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:09	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:09	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:09	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,PADEP	05/11/2018 20:09	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:09	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,PADEP	05/11/2018 20:09	SR



Sample Information

Client Sample ID: 007/LSB-17A

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May 8, 2018 8:45 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-57-6	2-Methylnaphthalene	0.784		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

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100688801

Soil

May 8, 2018 8:45 am

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
83-32-9	Acenaphthene	0.779		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
208-96-8	Acenaphthylene	0.390		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
62-53-3	Aniline	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
120-12-7	Anthracene	1.64		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
56-55-3	Benzo(a)anthracene	2.96		mg/kg dry	0.112	0.223	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:35	SR
50-32-8	Benzo(a)pyrene	2.81		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
205-99-2	Benzo(b)fluoranthene	1.57		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
191-24-2	Benzo(g,h,i)perylene	1.72		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
207-08-9	Benzo(k)fluoranthene	1.86		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
85-68-7	Benzyl butyl phthalate	0.0456	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.244		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR



Sample Information

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100688801

Soil

May 8, 2018 8:45 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	0.0627	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
218-01-9	Chrysene	3.23		mg/kg dry	0.112	0.223	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:35	SR
53-70-3	Dibenzo(a,h)anthracene	0.519	CCV-E	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
132-64-9	Dibenzofuran	0.0976		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
206-44-0	Fluoranthene	5.28		mg/kg dry	0.112	0.223	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:35	SR
86-73-7	Fluorene	1.25		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.39	CCV-E	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-20-3	Naphthalene	0.234		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
85-01-8	Phenanthrene	8.60		mg/kg dry	0.223	0.446	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 20:39	KH



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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100688801

Soil

May 8, 2018 8:45 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
129-00-0	Pyrene	8.38		mg/kg dry	0.223	0.446	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 20:39	KH
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	37.9 %									
4165-62-2	Surrogate: Phenol-d5	44.7 %									
4165-60-0	Surrogate: Nitrobenzene-d5	47.4 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	41.4 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	67.8 %									
1718-51-0	Surrogate: Terphenyl-d14	49.3 %									

Pesticides, 8081 target 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	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
5103-71-9	alpha-Chlordane	0.0149	GC-P	mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:13	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0352	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 11:13	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

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May 8, 2018 8:45 am

Date Received

05/08/2018

Pesticides, 8081 target 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
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
5566-34-7	gamma-Chlordane	0.0101	GC-P	mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:13	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00881	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0891	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	80.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	26.6 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11096-82-5	Aroclor 1260	0.0970		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
1336-36-3	* Total PCBs	0.0970		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 15:59	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	83.2 %		30-120						



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

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100688801

Soil

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Polychlorinated Biphenyls (PCB), 8082 Target 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	92.8 %			30-120					

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	6120		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-36-0	Antimony	1.14		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-39-3	Barium	269		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-41-7	Beryllium	0.318		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-43-9	Cadmium	2.08		mg/kg dry	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-70-2	Calcium	11200		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-47-3	Chromium	25.2		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-48-4	Cobalt	7.35		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-50-8	Copper	127		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-89-6	Iron	42600		mg/kg dry	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-92-1	Lead	431		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-95-4	Magnesium	3240		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-96-5	Manganese	322		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-02-0	Nickel	66.4		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-09-7	Potassium	541		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-22-4	Silver	ND		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 8:45 am

Date Received

05/08/2018

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
7440-23-5	Sodium	132		mg/kg dry	10.7	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:31	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:31	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	23.9		mg/kg dry	1.07	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:31	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	635		mg/kg dry	1.60	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:31	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.432		mg/kg dry	0.0321	1	EPA 7473	05/09/2018 09:29	05/09/2018 12:01	SY
							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	93.6		%	0.100	1	SM 2540G	05/14/2018 14:33	05/14/2018 17:54	TAJ
							Certifications:	CTDOH		

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	0.855		mg/kg dry	0.534	1	EPA 7196A	05/09/2018 10:27	05/09/2018 17:23	TJM
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.3		mg/kg	0.500	1	Calculation	05/15/2018 13:32	05/15/2018 14:57	PAM
							Certifications:			



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

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18E0411

100688801

Soil

May 8, 2018 8:50 am

05/08/2018

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	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:42	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.093	0.19	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:42	SS



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:50 am

05/08/2018

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
78-93-3	2-Butanone	0.013		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
67-64-1	Acetone	0.080	SCAL- E	mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
71-43-2	Benzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 8:50 am

Date Received

05/08/2018

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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
75-09-2	Methylene chloride	0.013	SCAL- E, J	mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
100-42-5	Styrene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0046	0.019	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
108-88-3	Toluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 8:50 am

Date Received
05/08/2018

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
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.014	0.028	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:42	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %		77-125							
2037-26-5	Surrogate: Toluene-d8	102 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	104 %		76-130							

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

Client Project ID

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100688801

Soil

May 8, 2018 8:50 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
208-96-8	Acenaphthylene	0.0610	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
62-53-3	Aniline	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

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Matrix

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100688801

Soil

May 8, 2018 8:50 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
92-87-5	Benzidine	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
117-81-7	Bis(2-ethylhexyl)phthalate	1.09		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
218-01-9	Chrysene	0.0519	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR



Sample Information

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100688801

Soil

May 8, 2018 8:50 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	0.0742	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
85-01-8	Phenanthrene	0.0610	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
108-95-2	Phenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
129-00-0	Pyrene	0.0948	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
110-86-1	Pyridine	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	44.2 %	20-108								
4165-62-2	Surrogate: Phenol-d5	49.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	60.9 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	47.3 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	91.7 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	59.6 %	24-116								



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

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May 8, 2018 8:50 am

Date Received

05/08/2018

Pesticides, 8081 target 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	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 17:05	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0409	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/11/2018 17:05	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
72-20-8	Endrin	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 17:05	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.0102	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.104	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	74.5 %	30-150							



Sample Information

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Pesticides, 8081 target 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
877-09-8	Surrogate: Tetrachloro-m-xylene	80.8 %			30-150					

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11096-82-5	Aroclor 1260	0.0342		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
1336-36-3	* Total PCBs	0.0342		mg/kg dry	0.0207	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:12	SA

Surrogate Recoveries		Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	93.6 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	60.3 %	30-120

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	3600		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-36-0	Antimony	0.651		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-38-2	Arsenic	5.94		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-39-3	Barium	10400		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-41-7	Beryllium	0.389		mg/kg dry	0.124	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-43-9	Cadmium	4.68		mg/kg dry	0.373	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 8:50 am

Date Received

05/08/2018

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
7440-70-2	Calcium	4960		mg/kg dry	6.22	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	13.2		mg/kg dry	0.622	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	14.8		mg/kg dry	0.622	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	40.8		mg/kg dry	0.622	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	5830		mg/kg dry	2.49	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	566		mg/kg dry	0.622	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	489		mg/kg dry	6.22	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	75.2		mg/kg dry	0.622	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	9.49		mg/kg dry	0.622	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	511		mg/kg dry	6.22	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.24	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.622	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	166		mg/kg dry	12.4	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.24	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	19.3		mg/kg dry	1.24	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:33	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	9280		mg/kg dry	18.7	10	EPA 6010C	05/09/2018 09:42	05/15/2018 12:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0951		mg/kg dry	0.0373	1	EPA 7473	05/09/2018 09:29	05/09/2018 12:10	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0411	100688801	Soil	May 8, 2018 8:50 am	05/08/2018

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	80.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.622	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.2		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0411	100688801	Soil	May 8, 2018 9:05 am	05/08/2018

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	05/11/2018 07:30	05/11/2018 13:14	SS
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	05/11/2018 07:30	05/11/2018 13:14	SS
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	05/11/2018 07:30	05/11/2018 13:14	SS
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	05/11/2018 07:30	05/11/2018 13:14	SS
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	05/11/2018 07:30	05/11/2018 13:14	SS
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	05/11/2018 07:30	05/11/2018 13:14	SS
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	05/11/2018 07:30	05/11/2018 13:14	SS



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

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Client Project ID

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Matrix

Soil

Collection Date/Time

May 8, 2018 9:05 am

Date Received

05/08/2018

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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 13:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 13:14	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
67-64-1	Acetone	0.014	SCAL-E	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 9:05 am

Date Received

05/08/2018

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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
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May 8, 2018 9:05 am

Date Received
05/08/2018

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
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	05/11/2018 07:30	05/11/2018 13:14	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-09-2	Methylene chloride	0.0075	SCAL-E, J	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
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	05/11/2018 07:30	05/11/2018 13:14	SS
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	05/11/2018 07:30	05/11/2018 13:14	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:14	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:14	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	76-130								



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

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100688801

Soil

May 8, 2018 9:05 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 9:05 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
208-96-8	Acenaphthylene	0.0879	J	mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
120-12-7	Anthracene	0.132		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
56-55-3	Benzo(a)anthracene	0.565		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
50-32-8	Benzo(a)pyrene	0.588		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
205-99-2	Benzo(b)fluoranthene	0.473		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
191-24-2	Benzo(g,h,i)perylene	0.433		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
207-08-9	Benzo(k)fluoranthene	0.468		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

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100688801

Soil

May 8, 2018 9:05 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.112		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
218-01-9	Chrysene	0.521		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
53-70-3	Dibenzo(a,h)anthracene	0.127	CCV-E	mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
206-44-0	Fluoranthene	0.786		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.342	CCV-E	mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

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100688801

Soil

May 8, 2018 9:05 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
85-01-8	Phenanthrene	0.358		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
108-95-2	Phenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
129-00-0	Pyrene	0.949		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	36.3 %									
4165-62-2	Surrogate: Phenol-d5	42.9 %									
4165-60-0	Surrogate: Nitrobenzene-d5	43.6 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	39.6 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.0 %									
1718-51-0	Surrogate: Terphenyl-d14	51.6 %									

Pesticides, 8081 target 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	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
50-29-3	4,4'-DDT	0.0112		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
5103-71-9	alpha-Chlordane	0.0639		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:28	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA



Sample Information

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Pesticides, 8081 target 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
57-74-9	Chlordane, total	0.102		mg/kg dry	0.0354	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
60-57-1	Dieldrin	0.00434		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 11:28	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
5566-34-7	gamma-Chlordane	0.0384	GC-P	mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:28	SA
76-44-8	Heptachlor	0.00862		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00886	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0897	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	75.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	29.2 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

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Polychlorinated Biphenyls (PCB), 8082 Target 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
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:24	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	93.6 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	57.9 %		30-120						

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	6690		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-36-0	Antimony	ND		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-38-2	Arsenic	4.82		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-39-3	Barium	101		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-41-7	Beryllium	0.249		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-43-9	Cadmium	0.431		mg/kg dry	0.324	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-70-2	Calcium	32400		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-47-3	Chromium	17.3		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-48-4	Cobalt	5.54		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-50-8	Copper	34.6		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7439-89-6	Iron	11300		mg/kg dry	2.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7439-92-1	Lead	130		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML



Sample Information

Client Sample ID: 009/LSB-20A

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May 8, 2018 9:05 am

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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
7439-95-4	Magnesium	6970		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7439-96-5	Manganese	201		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-02-0	Nickel	20.0		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-09-7	Potassium	864		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-22-4	Silver	ND		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-23-5	Sodium	189		mg/kg dry	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-62-2	Vanadium	19.9		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-66-6	Zinc	135		mg/kg dry	1.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML

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	0.183		mg/kg dry	0.0324	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:18	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.7		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.540	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

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Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.3		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

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Soil

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05/08/2018

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	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:20 am

05/08/2018

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
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.068	0.14	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
67-64-1	Acetone	0.0096	SCAL- E, J	mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18E0411

100688801

Soil

May 8, 2018 9:20 am

05/08/2018

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
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 9:20 am

05/08/2018

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
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
100-42-5	Styrene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0034	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
108-88-3	Toluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:45	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

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100688801

Soil

May 8, 2018 9:20 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

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18E0411

100688801

Soil

May 8, 2018 9:20 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
62-53-3	Aniline	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
56-55-3	Benzo(a)anthracene	0.122		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
50-32-8	Benzo(a)pyrene	0.112		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
205-99-2	Benzo(b)fluoranthene	0.0973	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
191-24-2	Benzo(g,h,i)perylene	0.0878	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
207-08-9	Benzo(k)fluoranthene	0.0933	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0704	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

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Soil

May 8, 2018 9:20 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
218-01-9	Chrysene	0.108		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
206-44-0	Fluoranthene	0.183		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0696	CCV-E, J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
85-01-8	Phenanthrene	0.128		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR



Sample Information

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100688801

Soil

May 8, 2018 9:20 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
129-00-0	Pyrene	0.221		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	50.3 %									
4165-62-2	Surrogate: Phenol-d5	56.2 %									
4165-60-0	Surrogate: Nitrobenzene-d5	62.0 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	50.2 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	88.1 %									
1718-51-0	Surrogate: Terphenyl-d14	58.4 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 16:50	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0391	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/11/2018 16:50	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA



Sample Information

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Pesticides, 8081 target 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
72-20-8	Endrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 16:50	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00978	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0990	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	84.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	92.4 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:37	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	97.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	61.2 %		30-120						



Sample Information

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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	2730		mg/kg dry	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-36-0	Antimony	0.934		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-39-3	Barium	330		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-41-7	Beryllium	0.309		mg/kg dry	0.119	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-43-9	Cadmium	1.51		mg/kg dry	0.358	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-70-2	Calcium	4370		mg/kg dry	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-47-3	Chromium	74.6		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-48-4	Cobalt	22.2		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-50-8	Copper	319		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7439-89-6	Iron	86300		mg/kg dry	2.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7439-92-1	Lead	543		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7439-95-4	Magnesium	562		mg/kg dry	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7439-96-5	Manganese	405		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-02-0	Nickel	52.7		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-09-7	Potassium	276		mg/kg dry	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7782-49-2	Selenium	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-22-4	Silver	1.75		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-23-5	Sodium	106		mg/kg dry	11.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-28-0	Thallium	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-62-2	Vanadium	17.2		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:20 am

05/08/2018

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
7440-66-6	Zinc	423		mg/kg dry	1.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.53		mg/kg dry	0.0358	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:27	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.9		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.596	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	74.6		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:30 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:30 am

05/08/2018

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:17	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:17	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:30 am

05/08/2018

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
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
67-64-1	Acetone	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:30 am

05/08/2018

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
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 9:30 am

Date Received
05/08/2018

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:17	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %				77-125					
2037-26-5	Surrogate: Toluene-d8	103 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	105 %				76-130					

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR



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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
208-96-8	Acenaphthylene	0.0696	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
62-53-3	Aniline	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
120-12-7	Anthracene	0.130		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 10:25	SR



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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
56-55-3	Benzo(a)anthracene	0.555		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
50-32-8	Benzo(a)pyrene	0.541		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
205-99-2	Benzo(b)fluoranthene	0.435		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
191-24-2	Benzo(g,h,i)perylene	0.405		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
207-08-9	Benzo(k)fluoranthene	0.445		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
85-68-7	Benzyl butyl phthalate	0.0469	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0959		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
218-01-9	Chrysene	0.557		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
53-70-3	Dibenzo(a,h)anthracene	0.126		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
206-44-0	Fluoranthene	0.925		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR



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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.334		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
85-01-8	Phenanthrene	0.486		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
108-95-2	Phenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
129-00-0	Pyrene	1.14		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	41.4 %	20-108								
4165-62-2	Surrogate: Phenol-d5	48.6 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	47.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	40.9 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	69.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	49.9 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:



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Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
50-29-3	4,4'-DDT	0.0130		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
5103-71-9	alpha-Chlordane	0.0739	GC-P	mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:27	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
57-74-9	Chlordane, total	0.113		mg/kg dry	0.0353	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
60-57-1	Dieldrin	0.00695	GC-P	mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 12:27	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
5566-34-7	gamma-Chlordane	0.0394		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:27	SA
76-44-8	Heptachlor	0.0105		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
1024-57-3	Heptachlor epoxide	ND	GC-P	mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00883	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0894	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	72.7 %	30-150							



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 9:30 am

Date Received

05/08/2018

Pesticides, 8081 target 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
877-09-8	Surrogate: Tetrachloro-m-xylene	23.5 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
11096-82-5	Aroclor 1260	0.0482		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
1336-36-3	* Total PCBs	0.0482		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:50	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.3 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	61.2 %		30-120						

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	7030		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-36-0	Antimony	ND		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-38-2	Arsenic	5.10		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-39-3	Barium	104		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-41-7	Beryllium	0.261		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-43-9	Cadmium	0.426		mg/kg dry	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:30 am

05/08/2018

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
7440-70-2	Calcium	32900		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-47-3	Chromium	18.4		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-48-4	Cobalt	6.33		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-50-8	Copper	35.3		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-89-6	Iron	12600		mg/kg dry	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-92-1	Lead	111		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-95-4	Magnesium	8320		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-96-5	Manganese	263		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-02-0	Nickel	31.0		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-09-7	Potassium	1470		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-22-4	Silver	ND		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-23-5	Sodium	139		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-62-2	Vanadium	22.0		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-66-6	Zinc	115		mg/kg dry	1.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML

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	0.211		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:40	SY

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0411	100688801	Soil	May 8, 2018 9:30 am	05/08/2018

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.536	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.4		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0411	100688801	Soil	May 8, 2018 9:55 am	05/08/2018

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	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:48	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

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May 8, 2018 9:55 am

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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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 14:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.065	0.13	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 14:48	SS
78-93-3	2-Butanone	0.0089		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
67-64-1	Acetone	0.029	SCAL-E	mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:48	SS



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:55 am

05/08/2018

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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
75-15-0	Carbon disulfide	0.0045	J	mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

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Collection Date/Time

May 8, 2018 9:55 am

Date Received

05/08/2018

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0032	0.013	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0097	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:48	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	105 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								



Sample Information

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100688801

Soil

May 8, 2018 9:55 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR



Sample Information

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100688801

Soil

May 8, 2018 9:55 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
62-53-3	Aniline	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
56-55-3	Benzo(a)anthracene	0.0990		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
50-32-8	Benzo(a)pyrene	0.0952	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
205-99-2	Benzo(b)fluoranthene	0.0800	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
191-24-2	Benzo(g,h,i)perylene	0.0685	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
207-08-9	Benzo(k)fluoranthene	0.0754	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR



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100688801

Soil

May 8, 2018 9:55 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.167		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
218-01-9	Chrysene	0.0990		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
206-44-0	Fluoranthene	0.154		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0525	CCV-E, J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

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May 8, 2018 9:55 am

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
85-01-8	Phenanthrene	0.0998		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
108-95-2	Phenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
129-00-0	Pyrene	0.190		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	52.9 %									
4165-62-2	Surrogate: Phenol-d5	57.4 %									
4165-60-0	Surrogate: Nitrobenzene-d5	68.5 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	54.6 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	86.3 %									
1718-51-0	Surrogate: Terphenyl-d14	57.6 %									

Pesticides, 8081 target 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	05/10/2018 13:56	05/14/2018 12:42	SA
72-55-9	4,4'-DDE	0.0134		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
50-29-3	4,4'-DDT	0.00840		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:42	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA



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Pesticides, 8081 target 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
57-74-9	Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 12:42	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:42	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00942	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0953	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	78.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	20.1 %	GC-SC	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target 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	05/10/2018 13:56	05/11/2018 17:02	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA



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Polychlorinated Biphenyls (PCB), 8082 Target 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
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11096-82-5	Aroclor 1260	0.0363		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
1336-36-3	* Total PCBs	0.0363		mg/kg dry	0.0190	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:02	SA
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	99.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	74.6 %	30-120							

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	7310		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-36-0	Antimony	ND		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-39-3	Barium	93.2		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-41-7	Beryllium	0.285		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-70-2	Calcium	10000		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-47-3	Chromium	26.9		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-48-4	Cobalt	5.91		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-50-8	Copper	35.4		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7439-89-6	Iron	22100		mg/kg dry	2.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7439-92-1	Lead	139		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML



Sample Information

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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
7439-95-4	Magnesium	2290		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7439-96-5	Manganese	290		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-02-0	Nickel	18.9		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-09-7	Potassium	702		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-22-4	Silver	ND		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-23-5	Sodium	152		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-62-2	Vanadium	22.8		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-66-6	Zinc	95.2		mg/kg dry	1.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML

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	0.103		mg/kg dry	0.0343	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:48	SY

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	05/14/2018 14:33	05/14/2018 17:54	TAJ

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.572	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



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Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	26.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:40 am

05/08/2018

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:	05/11/2018 07:30	05/11/2018 15:20	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
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:	05/11/2018 07:30	05/11/2018 15:20	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

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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
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.061	0.12	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
67-64-1	Acetone	0.013	SCAL- E	mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

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May 8, 2018 11:40 am

05/08/2018

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
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-09-2	Methylene chloride	0.0076	SCAL- E, J	mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

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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
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.012	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
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	05/11/2018 07:30	05/11/2018 15:20	SS
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	05/11/2018 07:30	05/11/2018 15:20	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0092	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:20	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	96.8 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR



Sample Information

Client Sample ID: 014/LSB-16A

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

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05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
208-96-8	Acenaphthylene	0.0959		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
120-12-7	Anthracene	0.159		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
56-55-3	Benzo(a)anthracene	0.522		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
50-32-8	Benzo(a)pyrene	0.550		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
205-99-2	Benzo(b)fluoranthene	0.434		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
191-24-2	Benzo(g,h,i)perylene	0.452		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
207-08-9	Benzo(k)fluoranthene	0.393		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.128		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR



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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
218-01-9	Chrysene	0.553		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
53-70-3	Dibenzo(a,h)anthracene	0.120	CCV-E	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
206-44-0	Fluoranthene	0.728		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
86-73-7	Fluorene	0.0465	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.304	CCV-E	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
85-01-8	Phenanthrene	0.537		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR



Sample Information

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05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
129-00-0	Pyrene	1.03		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	39.5 %									
4165-62-2	Surrogate: Phenol-d5	43.7 %									
4165-60-0	Surrogate: Nitrobenzene-d5	49.0 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	44.3 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	72.4 %									
1718-51-0	Surrogate: Terphenyl-d14	53.3 %									

Pesticides, 8081 target 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	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
50-29-3	4,4'-DDT	0.0141		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
5103-71-9	alpha-Chlordane	0.00771	GC-P	mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:57	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0364	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 12:57	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA



Sample Information

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Pesticides, 8081 target 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
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
5566-34-7	gamma-Chlordane	0.00760	GC-P	mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:57	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00911	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0922	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	89.3 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	26.7 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11096-82-5	Aroclor 1260	0.0969		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
1336-36-3	* Total PCBs	0.0969		mg/kg dry	0.0184	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:15	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	84.2 %		30-120						



Sample Information

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Polychlorinated Biphenyls (PCB), 8082 Target 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	69.4 %			30-120					

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	6670		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-36-0	Antimony	1.45		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-38-2	Arsenic	7.71		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-39-3	Barium	697		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-41-7	Beryllium	0.447		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-43-9	Cadmium	1.14		mg/kg dry	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-70-2	Calcium	11700		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-47-3	Chromium	29.4		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-48-4	Cobalt	7.77		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-50-8	Copper	155		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-89-6	Iron	20200		mg/kg dry	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-92-1	Lead	490		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-95-4	Magnesium	3420		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-96-5	Manganese	205		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-02-0	Nickel	27.6		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-09-7	Potassium	537		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:40 am

05/08/2018

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
7440-23-5	Sodium	182		mg/kg dry	11.1	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	Vanadium	26.6		mg/kg dry	1.11	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	Zinc	431		mg/kg dry	1.66	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:44	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.465		mg/kg dry	0.0332	1	EPA 7473	05/09/2018 09:29	05/09/2018 12:57	SY
							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	90.3		%	0.100	1	SM 2540G	05/14/2018 14:33	05/14/2018 17:54	TAJ
							Certifications: CTDOH			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.554	1	EPA 7196A	05/09/2018 10:27	05/09/2018 17:23	TJM
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	29.4		mg/kg	0.500	1	Calculation	05/15/2018 13:32	05/15/2018 14:57	PAM
							Certifications:			



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:45 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:52	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:52	SS



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:45 am

05/08/2018

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
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
67-64-1	Acetone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:45 am

05/08/2018

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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

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100688801

Soil

May 8, 2018 11:45 am

05/08/2018

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
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:52	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %				77-125					
2037-26-5	Surrogate: Toluene-d8	103 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	108 %				76-130					

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

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100688801

Soil

May 8, 2018 11:45 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
208-96-8	Acenaphthylene	0.0894	J	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
62-53-3	Aniline	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
120-12-7	Anthracene	0.147		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 23:15	SR



Sample Information

Client Sample ID: 015/DUP-1

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05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
56-55-3	Benzo(a)anthracene	0.403		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
50-32-8	Benzo(a)pyrene	0.438		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
205-99-2	Benzo(b)fluoranthene	0.366		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
191-24-2	Benzo(g,h,i)perylene	0.335		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
207-08-9	Benzo(k)fluoranthene	0.342		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
117-81-7	Bis(2-ethylhexyl)phthalate	11.8		mg/kg dry	0.459	0.917	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:39	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
218-01-9	Chrysene	0.430		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
53-70-3	Dibenzo(a,h)anthracene	0.106	CCV-E	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
117-84-0	Di-n-octyl phthalate	2.20		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

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100688801

Soil

May 8, 2018 11:45 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	0.576		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
86-73-7	Fluorene	0.0498	J	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.262	CCV-E	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
85-01-8	Phenanthrene	0.410		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
108-95-2	Phenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
129-00-0	Pyrene	0.706		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	39.8 %	20-108								
4165-62-2	Surrogate: Phenol-d5	43.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	49.0 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	42.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	72.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	50.5 %	24-116								



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

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Soil

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05/08/2018

Pesticides, 8081 target 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	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
50-29-3	4,4'-DDT	0.00867		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
5103-71-9	alpha-Chlordane	0.00438		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:12	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0363	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
60-57-1	Dieldrin	0.00454	GC-P	mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 13:12	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
5566-34-7	gamma-Chlordane	0.00449	GC-P	mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:12	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00908	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0919	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

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Pesticides, 8081 target 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	73.1 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	19.9 %	GC-SC		30-150					
			u							

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11096-82-5	Aroclor 1260	0.0690		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
1336-36-3	* Total PCBs	0.0690		mg/kg dry	0.0183	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:27	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	81.2 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	64.1 %			30-120					

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	4920		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-36-0	Antimony	1.23		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-38-2	Arsenic	5.08		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-39-3	Barium	346		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-41-7	Beryllium	0.410		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML



Sample Information

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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
7440-43-9	Cadmium	1.16		mg/kg dry	0.331	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-70-2	Calcium	10200		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-47-3	Chromium	19.0		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-48-4	Cobalt	5.62		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-50-8	Copper	152		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-89-6	Iron	15600		mg/kg dry	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-92-1	Lead	446		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-95-4	Magnesium	3190		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-96-5	Manganese	196		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-02-0	Nickel	20.6		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-09-7	Potassium	466		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-22-4	Silver	ND		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-23-5	Sodium	164		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-62-2	Vanadium	22.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-66-6	Zinc	384		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML

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	0.350		mg/kg dry	0.0331	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 13:05	SY



Sample Information

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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	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	19.0		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 016/LSB-16B

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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	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:23	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

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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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 16:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.089	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 16:23	SS
78-93-3	2-Butanone	0.0090		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
67-64-1	Acetone	0.033	SCAL-E	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:23	SS



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.
18E0411

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100688801

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May 8, 2018 11:50 am

Date Received
05/08/2018

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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

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18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-09-2	Methylene chloride	0.0050	SCAL- E, J	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:23	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: Toluene-d8	100 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	76-130								



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
208-96-8	Acenaphthylene	0.0703	J	mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
62-53-3	Aniline	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
56-55-3	Benzo(a)anthracene	0.190		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
50-32-8	Benzo(a)pyrene	0.247		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
205-99-2	Benzo(b)fluoranthene	0.170		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
191-24-2	Benzo(g,h,i)perylene	0.176		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
207-08-9	Benzo(k)fluoranthene	0.178		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

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05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.116		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
218-01-9	Chrysene	0.173		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
206-44-0	Fluoranthene	0.202		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.127	CCV-E	mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR



Sample Information

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May 8, 2018 11:50 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
85-01-8	Phenanthrene	0.0629	J	mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
108-95-2	Phenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
129-00-0	Pyrene	0.287		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
110-86-1	Pyridine	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	57.6 %									
4165-62-2	Surrogate: Phenol-d5	61.5 %									
4165-60-0	Surrogate: Nitrobenzene-d5	68.9 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	56.4 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	89.6 %									
1718-51-0	Surrogate: Terphenyl-d14	59.8 %									

Pesticides, 8081 target 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	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
50-29-3	4,4'-DDT	0.0127		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:27	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA



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Pesticides, 8081 target 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
57-74-9	Chlordane, total	ND		mg/kg dry	0.0360	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 13:27	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:27	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00901	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0912	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	66.8 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	23.7 %	GC-SC	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA



Sample Information

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Polychlorinated Biphenyls (PCB), 8082 Target 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
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11097-69-1	Aroclor 1254	0.151		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11096-82-5	Aroclor 1260	0.0635		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
1336-36-3	* Total PCBs	0.215		mg/kg dry	0.0182	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:40	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	99.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	52.2 %								

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	6760		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-36-0	Antimony	ND		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-39-3	Barium	63.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-41-7	Beryllium	0.294		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-70-2	Calcium	6060		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-47-3	Chromium	14.3		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-48-4	Cobalt	5.57		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-50-8	Copper	22.0		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7439-89-6	Iron	15800		mg/kg dry	2.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7439-92-1	Lead	98.6		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML



Sample Information

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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
7439-95-4	Magnesium	2750		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7439-96-5	Manganese	226		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-02-0	Nickel	20.6		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-09-7	Potassium	748		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-22-4	Silver	ND		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-23-5	Sodium	143		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-62-2	Vanadium	19.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-66-6	Zinc	88.1		mg/kg dry	1.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML

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	0.0840		mg/kg dry	0.0330	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 13:14	SY

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	91.0		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

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	0.549	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.3		mg/kg	0.500	1	Calculation Certifications:	05/11/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

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
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
67-64-1	Acetone	0.011	SCAL-E	mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

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
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-09-2	Methylene chloride	0.0062	SCAL- E, J	mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

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
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 17:58	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 17:58	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/12/2018 01:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/12/2018 01:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/12/2018 01:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,PADEP	05/12/2018 01:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/12/2018 01:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,PADEP	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-57-6	2-Methylnaphthalene	0.0608	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

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100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
83-32-9	Acenaphthene	0.0473	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
208-96-8	Acenaphthylene	0.194		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
120-12-7	Anthracene	0.225		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
56-55-3	Benzo(a)anthracene	0.787		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
50-32-8	Benzo(a)pyrene	0.928		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
205-99-2	Benzo(b)fluoranthene	0.700		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
191-24-2	Benzo(g,h,i)perylene	0.560		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
207-08-9	Benzo(k)fluoranthene	0.683		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
85-68-7	Benzyl butyl phthalate	0.0813	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.300		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR



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05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	0.0488	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
218-01-9	Chrysene	0.773		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
53-70-3	Dibenzo(a,h)anthracene	0.194	CCV-E	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
206-44-0	Fluoranthene	1.14		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
86-73-7	Fluorene	0.122		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.452	CCV-E	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
85-01-8	Phenanthrene	0.749		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

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100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
129-00-0	Pyrene	1.41		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
110-86-1	Pyridine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	39.3 %		20-108							
4165-62-2	Surrogate: Phenol-d5	43.8 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	48.7 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	42.6 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	68.1 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	46.5 %		24-116							

Pesticides, 8081 target 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	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
50-29-3	4,4'-DDT	0.0117		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
5103-71-9	alpha-Chlordane	0.0121	GC-P	mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:33	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0349	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
60-57-1	Dieldrin	0.00559	GC-P	mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 15:33	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA



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Pesticides, 8081 target 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
72-20-8	Endrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
5566-34-7	gamma-Chlordane	0.00938	GC-P	mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:33	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00871	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0882	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	91.1 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	25.4 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11096-82-5	Aroclor 1260	0.0353		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
1336-36-3	* Total PCBs	0.0353		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 18:18	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	90.6 %		30-120						



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

Polychlorinated Biphenyls (PCB), 8082 Target 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	70.8 %			30-120					

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	6350		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-36-0	Antimony	ND		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-38-2	Arsenic	3.73		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-39-3	Barium	305		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-41-7	Beryllium	0.321		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-43-9	Cadmium	1.17		mg/kg dry	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-70-2	Calcium	19300		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-47-3	Chromium	20.9		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-48-4	Cobalt	6.74		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-50-8	Copper	104		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-89-6	Iron	19100		mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-92-1	Lead	426		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-95-4	Magnesium	7500		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-96-5	Manganese	246		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-02-0	Nickel	24.6		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-09-7	Potassium	639		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-22-4	Silver	ND		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 1:10 pm

Date Received

05/08/2018

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
7440-23-5	Sodium	170		mg/kg dry	10.6	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:58	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:58	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	Vanadium	22.9		mg/kg dry	1.06	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:58	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	Zinc	414		mg/kg dry	1.59	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:58	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.505		mg/kg dry	0.0319	1	EPA 7473	05/09/2018 09:29	05/09/2018 14:13	SY
							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	94.1		%	0.100	1	SM 2540G	05/14/2018 14:33	05/14/2018 17:54	TAJ
							Certifications: CTDOH			

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	0.531	1	EPA 7196A	05/09/2018 10:27	05/09/2018 17:23	TJM
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	20.9		mg/kg	0.500	1	Calculation	05/15/2018 13:32	05/15/2018 14:57	PAM
							Certifications:			



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

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
78-93-3	2-Butanone	0.0080		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
67-64-1	Acetone	0.040	SCAL- E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 2:00 pm

Date Received

05/08/2018

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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS



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100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

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
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %		77-125							
2037-26-5	Surrogate: Toluene-d8	102 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	103 %		76-130							

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR



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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
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	05/10/2018 13:53	05/12/2018 01:49	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
208-96-8	Acenaphthylene	0.0977		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
120-12-7	Anthracene	0.200		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR



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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
56-55-3	Benzo(a)anthracene	0.699		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
50-32-8	Benzo(a)pyrene	0.781		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
205-99-2	Benzo(b)fluoranthene	0.536		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
191-24-2	Benzo(g,h,i)perylene	0.376		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
207-08-9	Benzo(k)fluoranthene	0.563		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
85-68-7	Benzyl butyl phthalate	0.396		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.177		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
86-74-8	Carbazole	0.0529	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
218-01-9	Chrysene	0.674		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
53-70-3	Dibenzo(a,h)anthracene	0.142	CCV-E	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR



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100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 2:00 pm

Date Received

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	0.859		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
86-73-7	Fluorene	0.0843	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.304	CCV-E	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
85-01-8	Phenanthrene	0.555		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
129-00-0	Pyrene	1.13		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	52.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	58.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	68.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	58.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	89.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	58.5 %	24-116								



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 2:00 pm

Date Received
05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
50-29-3	4,4'-DDT	0.00444		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:47	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0370	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 15:47	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:47	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00925	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0936	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

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Date Received
05/08/2018

Pesticides, 8081 target 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	64.2 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	19.9 %	GC-SC		30-150					

Polychlorinated Biphenyls (PCB), 8082 Target 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	05/10/2018 13:56	05/11/2018 18:31	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 18:31	SA

Surrogate Recoveries		Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	98.5 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	54.1 %	30-120

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	5750		mg/kg dry	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-36-0	Antimony	0.587		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-38-2	Arsenic	2.62		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-39-3	Barium	481		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-41-7	Beryllium	0.298		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

Client Project ID

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100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

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
7440-43-9	Cadmium	0.720		mg/kg dry	0.337	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	Calcium	18600		mg/kg dry	5.61	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	23.9		mg/kg dry	0.561	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	5.54		mg/kg dry	0.561	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	120		mg/kg dry	0.561	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	17400		mg/kg dry	2.25	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	288		mg/kg dry	0.561	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	4150		mg/kg dry	5.61	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	221		mg/kg dry	0.561	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	21.0		mg/kg dry	0.561	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	654		mg/kg dry	5.61	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.12	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	272		mg/kg dry	11.2	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	17.8		mg/kg dry	1.12	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	235		mg/kg dry	1.68	1	EPA 6010C	05/09/2018 09:42	05/10/2018 13:00	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.256		mg/kg dry	0.0337	1	EPA 7473	05/09/2018 09:29	05/09/2018 14:25	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

18E0411

Client Project ID

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Collection Date/Time

May 8, 2018 2:00 pm

Date Received

05/08/2018

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	05/14/2018 14:33	05/14/2018 17:54	TAJ

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.561	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM



Analytical Batch Summary

Batch ID: BE80466

Preparation Method: EPA 7473 soil

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/09/18
18E0411-06	006/LSB-15B	05/09/18
18E0411-07	007/LSB-17A	05/09/18
18E0411-08	008/LSB-17B	05/09/18
18E0411-09	009/LSB-20A	05/09/18
18E0411-10	010/LSB-20B	05/09/18
18E0411-11	011/LSB-18A	05/09/18
18E0411-12	012/LSB-18B	05/09/18
18E0411-14	014/LSB-16A	05/09/18
18E0411-15	015/DUP-1	05/09/18
18E0411-16	016/LSB-16B	05/09/18
18E0411-19	019/LSB-19A	05/09/18
18E0411-20	020/LSB-19B	05/09/18
BE80466-BLK1	Blank	05/09/18
BE80466-SRM1	Reference	05/09/18

Batch ID: BE80470

Preparation Method: EPA 3050B

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/09/18
18E0411-06	006/LSB-15B	05/09/18
18E0411-07	007/LSB-17A	05/09/18
18E0411-08	008/LSB-17B	05/09/18
18E0411-08RE1	008/LSB-17B	05/09/18
18E0411-09	009/LSB-20A	05/09/18
18E0411-10	010/LSB-20B	05/09/18
18E0411-11	011/LSB-18A	05/09/18
18E0411-12	012/LSB-18B	05/09/18
18E0411-14	014/LSB-16A	05/09/18
18E0411-15	015/DUP-1	05/09/18
18E0411-16	016/LSB-16B	05/09/18
18E0411-19	019/LSB-19A	05/09/18
18E0411-20	020/LSB-19B	05/09/18
BE80470-BLK1	Blank	05/09/18
BE80470-SRM1	Reference	05/09/18

Batch ID: BE80475

Preparation Method: EPA SW846-3060

Prepared By: TJM

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/09/18
18E0411-06	006/LSB-15B	05/09/18
18E0411-07	007/LSB-17A	05/09/18
18E0411-08	008/LSB-17B	05/09/18
18E0411-09	009/LSB-20A	05/09/18
18E0411-10	010/LSB-20B	05/09/18



18E0411-11	011/LSB-18A	05/09/18
18E0411-12	012/LSB-18B	05/09/18
18E0411-14	014/LSB-16A	05/09/18
18E0411-15	015/DUP-1	05/09/18
18E0411-16	016/LSB-16B	05/09/18
18E0411-19	019/LSB-19A	05/09/18
18E0411-20	020/LSB-19B	05/09/18
BE80475-BLK1	Blank	05/09/18
BE80475-DUP1	Duplicate	05/09/18
BE80475-MS1	Matrix Spike	05/09/18
BE80475-SRM1	Reference	05/09/18

Batch ID: BE80566 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date

18E0411-05	005/LSB-15A	05/10/18
18E0411-05RE1	005/LSB-15A	05/10/18
18E0411-05RE2	005/LSB-15A	05/10/18
18E0411-06	006/LSB-15B	05/10/18
18E0411-06RE1	006/LSB-15B	05/10/18
18E0411-07	007/LSB-17A	05/10/18
18E0411-07RE1	007/LSB-17A	05/10/18
18E0411-07RE2	007/LSB-17A	05/10/18
18E0411-08	008/LSB-17B	05/10/18
18E0411-09	009/LSB-20A	05/10/18
18E0411-10	010/LSB-20B	05/10/18
18E0411-11	011/LSB-18A	05/10/18
18E0411-12	012/LSB-18B	05/10/18
18E0411-14	014/LSB-16A	05/10/18
18E0411-15	015/DUP-1	05/10/18
18E0411-15RE1	015/DUP-1	05/10/18
18E0411-16	016/LSB-16B	05/10/18
18E0411-19	019/LSB-19A	05/10/18
18E0411-20	020/LSB-19B	05/10/18
BE80566-BLK1	Blank	05/10/18
BE80566-BS1	LCS	05/10/18
BE80566-MS1	Matrix Spike	05/10/18
BE80566-MSD1	Matrix Spike Dup	05/10/18

Batch ID: BE80568 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date

18E0411-05	005/LSB-15A	05/10/18
18E0411-05	005/LSB-15A	05/10/18
18E0411-06	006/LSB-15B	05/10/18
18E0411-06	006/LSB-15B	05/10/18
18E0411-07	007/LSB-17A	05/10/18
18E0411-07	007/LSB-17A	05/10/18
18E0411-08	008/LSB-17B	05/10/18
18E0411-08	008/LSB-17B	05/10/18
18E0411-09	009/LSB-20A	05/10/18



18E0411-09	009/LSB-20A	05/10/18
18E0411-10	010/LSB-20B	05/10/18
18E0411-10	010/LSB-20B	05/10/18
18E0411-11	011/LSB-18A	05/10/18
18E0411-11	011/LSB-18A	05/10/18
18E0411-12	012/LSB-18B	05/10/18
18E0411-12	012/LSB-18B	05/10/18
18E0411-14	014/LSB-16A	05/10/18
18E0411-14	014/LSB-16A	05/10/18
18E0411-15	015/DUP-1	05/10/18
18E0411-15	015/DUP-1	05/10/18
18E0411-16	016/LSB-16B	05/10/18
18E0411-16	016/LSB-16B	05/10/18
18E0411-19	019/LSB-19A	05/10/18
18E0411-19	019/LSB-19A	05/10/18
18E0411-20	020/LSB-19B	05/10/18
18E0411-20	020/LSB-19B	05/10/18
BE80568-BLK1	Blank	05/10/18
BE80568-BLK2	Blank	05/10/18
BE80568-BS1	LCS	05/10/18
BE80568-BS2	LCS	05/10/18
BE80568-MS1	Matrix Spike	05/10/18
BE80568-MS2	Matrix Spike	05/10/18
BE80568-MSD1	Matrix Spike Dup	05/10/18
BE80568-MSD2	Matrix Spike Dup	05/10/18

Batch ID: BE80598 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/11/18
18E0411-06	006/LSB-15B	05/11/18
18E0411-07	007/LSB-17A	05/11/18
18E0411-08	008/LSB-17B	05/11/18
18E0411-09	009/LSB-20A	05/11/18
18E0411-10	010/LSB-20B	05/11/18
18E0411-11	011/LSB-18A	05/11/18
18E0411-12	012/LSB-18B	05/11/18
18E0411-14	014/LSB-16A	05/11/18
18E0411-15	015/DUP-1	05/11/18
18E0411-16	016/LSB-16B	05/11/18
18E0411-19	019/LSB-19A	05/11/18
18E0411-20	020/LSB-19B	05/11/18
BE80598-BLK1	Blank	05/11/18
BE80598-BS1	LCS	05/11/18
BE80598-BSD1	LCS Dup	05/11/18

Batch ID: BE80730 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/14/18
18E0411-06	006/LSB-15B	05/14/18



18E0411-07	007/LSB-17A	05/14/18
18E0411-08	008/LSB-17B	05/14/18
18E0411-09	009/LSB-20A	05/14/18
18E0411-10	010/LSB-20B	05/14/18
18E0411-11	011/LSB-18A	05/14/18
18E0411-12	012/LSB-18B	05/14/18
18E0411-14	014/LSB-16A	05/14/18
18E0411-15	015/DUP-1	05/14/18
18E0411-16	016/LSB-16B	05/14/18
18E0411-19	019/LSB-19A	05/14/18
18E0411-20	020/LSB-19B	05/14/18
BE80730-DUP1	Duplicate	05/14/18

Batch ID: BE80795 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/15/18
18E0411-06	006/LSB-15B	05/15/18
18E0411-07	007/LSB-17A	05/15/18
18E0411-08	008/LSB-17B	05/15/18
18E0411-09	009/LSB-20A	05/15/18
18E0411-10	010/LSB-20B	05/15/18
18E0411-11	011/LSB-18A	05/15/18
18E0411-12	012/LSB-18B	05/15/18
18E0411-14	014/LSB-16A	05/15/18
18E0411-15	015/DUP-1	05/15/18
18E0411-16	016/LSB-16B	05/15/18
18E0411-19	019/LSB-19A	05/15/18
18E0411-20	020/LSB-19B	05/15/18



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 BE80598 - EPA 5035A											
Blank (BE80598-BLK1)										Prepared & Analyzed: 05/11/2018	
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

Batch BE80598 - EPA 5035A

Blank (BE80598-BLK1)

Prepared & Analyzed: 05/11/2018

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	0.010	"
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 Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	51.0	ug/L	50.0	102	77-125
Surrogate: Toluene-d8	51.6	"	50.0	103	85-120
Surrogate: p-Bromofluorobenzene	50.3	"	50.0	101	76-130

LCS (BE80598-BS1)

Prepared & Analyzed: 05/11/2018

1,1,1,2-Tetrachloroethane	39.9	ug/L	50.0	79.9	75-129	30
1,1,1-Trichloroethane	38.0	"	50.0	76.0	70-130	30
1,1,2,2-Tetrachloroethane	42.9	"	50.0	85.7	70-130	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.5	"	50.0	87.0	70-130	30
1,1,2-Trichloroethane	39.4	"	50.0	78.9	70-130	30
1,1-Dichloroethane	39.8	"	50.0	79.6	70-130	30
1,1-Dichloroethylene	44.8	"	50.0	89.5	70-130	30
1,1-Dichloropropylene	39.0	"	50.0	78.0	77-127	30
1,2,3-Trichlorobenzene	41.3	"	50.0	82.6	70-130	30
1,2,3-Trichloropropane	41.0	"	50.0	81.9	81-126	30
1,2,4-Trichlorobenzene	41.2	"	50.0	82.3	70-130	30
1,2,4-Trimethylbenzene	40.4	"	50.0	80.7	84-125	30
1,2-Dibromo-3-chloropropane	43.7	"	50.0	87.5	40-160	30
1,2-Dibromoethane	39.8	"	50.0	79.5	70-130	30
1,2-Dichlorobenzene	40.3	"	50.0	80.5	70-130	30
1,2-Dichloroethane	38.8	"	50.0	77.6	70-130	30
1,2-Dichloropropane	41.9	"	50.0	83.7	70-130	30
1,3,5-Trimethylbenzene	39.7	"	50.0	79.3	82-126	30
1,3-Dichlorobenzene	41.0	"	50.0	82.0	70-130	30
1,3-Dichloropropane	40.3	"	50.0	80.5	83-123	30
1,4-Dichlorobenzene	39.8	"	50.0	79.7	70-130	30
1,4-Dioxane	1190	"	1050	113	40-160	30
2,2-Dichloropropane	40.6	"	50.0	81.2	67-136	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 BE80598 - EPA 5035A											
LCS (BE80598-BS1)						Prepared & Analyzed: 05/11/2018					
2-Butanone	42.0		ug/L	50.0		84.0	40-160			30	
2-Chlorotoluene	39.9		"	50.0		79.8	78-127			30	
2-Hexanone	41.8		"	50.0		83.6	40-160			30	
4-Chlorotoluene	39.6		"	50.0		79.2	79-125			30	
4-Methyl-2-pentanone	41.8		"	50.0		83.7	40-160			30	
Acetone	34.5		"	50.0		69.0	40-160			30	
Acrolein	40.1		"	50.0		80.1	10-238			30	
Acrylonitrile	42.5		"	50.0		85.0	66-141			30	
Benzene	38.2		"	50.0		76.5	70-130			30	
Bromobenzene	41.3		"	50.0		82.7	77-129			30	
Bromochloromethane	39.8		"	50.0		79.7	70-130			30	
Bromodichloromethane	41.6		"	50.0		83.2	70-130			30	
Bromoform	41.7		"	50.0		83.4	70-130			30	
Bromomethane	47.2		"	50.0		94.3	40-160			30	
Carbon disulfide	47.9		"	50.0		95.7	40-160			30	
Carbon tetrachloride	39.3		"	50.0		78.6	70-130			30	
Chlorobenzene	38.6		"	50.0		77.2	70-130			30	
Chloroethane	52.4		"	50.0		105	51-142			30	
Chloroform	39.8		"	50.0		79.5	70-130			30	
Chloromethane	48.1		"	50.0		96.2	49-132			30	
cis-1,2-Dichloroethylene	37.8		"	50.0		75.6	70-130			30	
cis-1,3-Dichloropropylene	39.3		"	50.0		78.6	70-130			30	
Cyclohexane	40.9		"	50.0		81.7	70-130			30	
Dibromochloromethane	40.3		"	50.0		80.6	70-130			30	
Dibromomethane	39.4		"	50.0		78.8	83-124	Low Bias		30	
Dichlorodifluoromethane	55.6		"	50.0		111	40-160			30	
Ethyl Benzene	39.5		"	50.0		79.0	70-130			30	
Hexachlorobutadiene	45.6		"	50.0		91.1	83-133			30	
Isopropylbenzene	39.4		"	50.0		78.8	70-130			30	
Methyl acetate	40.9		"	50.0		81.8	70-130			30	
Methyl tert-butyl ether (MTBE)	41.2		"	50.0		82.4	70-130			30	
Methylcyclohexane	40.5		"	50.0		81.0	70-130			30	
Methylene chloride	35.1		"	50.0		70.3	70-130			30	
n-Butylbenzene	40.5		"	50.0		81.0	80-130			30	
n-Propylbenzene	39.3		"	50.0		78.7	74-136			30	
o-Xylene	39.9		"	50.0		79.9	70-130			30	
p- & m- Xylenes	78.6		"	100		78.6	70-130			30	
p-Isopropyltoluene	40.3		"	50.0		80.6	85-125	Low Bias		30	
sec-Butylbenzene	42.3		"	50.0		84.6	83-125			30	
Styrene	38.4		"	50.0		76.7	70-130			30	
tert-Butyl alcohol (TBA)	238		"	250		95.3	70-130			30	
tert-Butylbenzene	40.0		"	50.0		80.1	80-127			30	
Tetrachloroethylene	38.7		"	50.0		77.3	70-130			30	
Toluene	38.8		"	50.0		77.5	70-130			30	
trans-1,2-Dichloroethylene	39.8		"	50.0		79.6	70-130			30	
trans-1,3-Dichloropropylene	40.1		"	50.0		80.2	70-130			30	
Trichloroethylene	39.8		"	50.0		79.6	70-130			30	
Trichlorofluoromethane	46.8		"	50.0		93.5	40-160			30	
Vinyl Chloride	53.2		"	50.0		106	70-130			30	
Surrogate: 1,2-Dichloroethane-d4	52.0		"	50.0		104	77-125				
Surrogate: Toluene-d8	50.1		"	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 BE80598 - EPA 5035A

LCS (BE80598-BS1)

Prepared & Analyzed: 05/11/2018

Surrogate: *p*-Bromofluorobenzene 49.7 ug/L 50.0 99.4 76-130

LCS Dup (BE80598-BSD1)

Prepared & Analyzed: 05/11/2018

1,1,1,2-Tetrachloroethane	46.6	ug/L	50.0	93.1	75-129	15.3	30
1,1,1-Trichloroethane	43.4	"	50.0	86.7	70-130	13.2	30
1,1,2,2-Tetrachloroethane	47.6	"	50.0	95.3	70-130	10.6	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8	"	50.0	99.5	70-130	13.5	30
1,1,2-Trichloroethane	45.4	"	50.0	90.8	70-130	14.0	30
1,1-Dichloroethane	46.4	"	50.0	92.7	70-130	15.2	30
1,1-Dichloroethylene	50.6	"	50.0	101	70-130	12.2	30
1,1-Dichloropropylene	45.1	"	50.0	90.2	77-127	14.5	30
1,2,3-Trichlorobenzene	47.1	"	50.0	94.2	70-130	13.1	30
1,2,3-Trichloropropane	46.2	"	50.0	92.5	81-126	12.1	30
1,2,4-Trichlorobenzene	46.7	"	50.0	93.3	70-130	12.5	30
1,2,4-Trimethylbenzene	45.5	"	50.0	91.0	84-125	12.0	30
1,2-Dibromo-3-chloropropane	47.8	"	50.0	95.5	40-160	8.81	30
1,2-Dibromoethane	46.5	"	50.0	93.0	70-130	15.6	30
1,2-Dichlorobenzene	47.0	"	50.0	94.1	70-130	15.5	30
1,2-Dichloroethane	44.8	"	50.0	89.6	70-130	14.3	30
1,2-Dichloropropane	48.4	"	50.0	96.9	70-130	14.6	30
1,3,5-Trimethylbenzene	45.0	"	50.0	89.9	82-126	12.5	30
1,3-Dichlorobenzene	47.2	"	50.0	94.4	70-130	14.1	30
1,3-Dichloropropane	47.5	"	50.0	94.9	83-123	16.4	30
1,4-Dichlorobenzene	46.8	"	50.0	93.6	70-130	16.0	30
1,4-Dioxane	1190	"	1050	113	40-160	0.0640	30
2,2-Dichloropropane	46.3	"	50.0	92.6	67-136	13.1	30
2-Butanone	46.8	"	50.0	93.5	40-160	10.7	30
2-Chlorotoluene	45.2	"	50.0	90.3	78-127	12.4	30
2-Hexanone	48.8	"	50.0	97.7	40-160	15.5	30
4-Chlorotoluene	44.3	"	50.0	88.6	79-125	11.2	30
4-Methyl-2-pentanone	48.2	"	50.0	96.3	40-160	14.0	30
Acetone	39.8	"	50.0	79.6	40-160	14.2	30
Acrolein	46.4	"	50.0	92.8	10-238	14.6	30
Acrylonitrile	47.8	"	50.0	95.6	66-141	11.7	30
Benzene	43.8	"	50.0	87.6	70-130	13.5	30
Bromobenzene	46.7	"	50.0	93.4	77-129	12.2	30
Bromochloromethane	45.6	"	50.0	91.2	70-130	13.5	30
Bromodichloromethane	48.6	"	50.0	97.2	70-130	15.4	30
Bromoform	47.1	"	50.0	94.2	70-130	12.2	30
Bromomethane	54.1	"	50.0	108	40-160	13.7	30
Carbon disulfide	54.2	"	50.0	108	40-160	12.4	30
Carbon tetrachloride	45.0	"	50.0	90.0	70-130	13.6	30
Chlorobenzene	44.3	"	50.0	88.5	70-130	13.7	30
Chloroethane	59.7	"	50.0	119	51-142	12.9	30
Chloroform	45.8	"	50.0	91.7	70-130	14.2	30
Chloromethane	53.7	"	50.0	107	49-132	11.0	30
cis-1,2-Dichloroethylene	43.5	"	50.0	86.9	70-130	13.9	30
cis-1,3-Dichloropropylene	46.1	"	50.0	92.2	70-130	15.9	30
Cyclohexane	46.9	"	50.0	93.8	70-130	13.8	30
Dibromochloromethane	47.5	"	50.0	95.0	70-130	16.4	30
Dibromomethane	45.9	"	50.0	91.9	83-124	15.3	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 BE80598 - EPA 5035A

LCS Dup (BE80598-BSD1)

Prepared & Analyzed: 05/11/2018

Dichlorodifluoromethane	62.6		ug/L	50.0		125	40-160		11.8	30	
Ethyl Benzene	45.2		"	50.0		90.5	70-130		13.5	30	
Hexachlorobutadiene	50.7		"	50.0		101	83-133		10.7	30	
Isopropylbenzene	44.2		"	50.0		88.3	70-130		11.3	30	
Methyl acetate	45.9		"	50.0		91.9	70-130		11.6	30	
Methyl tert-butyl ether (MTBE)	47.4		"	50.0		94.9	70-130		14.1	30	
Methylcyclohexane	46.8		"	50.0		93.7	70-130		14.5	30	
Methylene chloride	39.9		"	50.0		79.8	70-130		12.7	30	
n-Butylbenzene	47.1		"	50.0		94.2	80-130		15.1	30	
n-Propylbenzene	44.6		"	50.0		89.3	74-136		12.7	30	
o-Xylene	45.8		"	50.0		91.6	70-130		13.7	30	
p- & m- Xylenes	90.6		"	100		90.6	70-130		14.2	30	
p-Isopropyltoluene	46.6		"	50.0		93.1	85-125		14.4	30	
sec-Butylbenzene	47.9		"	50.0		95.9	83-125		12.5	30	
Styrene	44.9		"	50.0		89.7	70-130		15.6	30	
tert-Butyl alcohol (TBA)	260		"	250		104	70-130		8.87	30	
tert-Butylbenzene	45.3		"	50.0		90.6	80-127		12.3	30	
Tetrachloroethylene	44.0		"	50.0		87.9	70-130		12.8	30	
Toluene	44.8		"	50.0		89.7	70-130		14.6	30	
trans-1,2-Dichloroethylene	45.2		"	50.0		90.4	70-130		12.6	30	
trans-1,3-Dichloropropylene	46.7		"	50.0		93.4	70-130		15.3	30	
Trichloroethylene	46.3		"	50.0		92.5	70-130		15.0	30	
Trichlorofluoromethane	53.9		"	50.0		108	40-160		14.2	30	
Vinyl Chloride	58.8		"	50.0		118	70-130		10.1	30	
Surrogate: 1,2-Dichloroethane-d4	51.2		"	50.0		102	77-125				
Surrogate: Toluene-d8	50.6		"	50.0		101	85-120				
Surrogate: p-Bromofluorobenzene	48.7		"	50.0		97.3	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80566 - EPA 3550C

Blank (BE80566-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80566 - EPA 3550C

Blank (BE80566-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Caprolactam	ND	0.0833	mg/kg wet								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: 2-Fluorophenol	0.836		"	1.29		64.9	20-108				
Surrogate: Phenol-d5	0.850		"	1.27		66.9	23-114				
Surrogate: Nitrobenzene-d5	0.675		"	0.833		81.0	22-108				
Surrogate: 2-Fluorobiphenyl	0.542		"	0.830		65.3	21-113				
Surrogate: 2,4,6-Tribromophenol	1.17		"	1.31		89.9	19-110				
Surrogate: Terphenyl-d14	0.511		"	0.837		61.1	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
Batch BE80566 - EPA 3550C											
LCS (BE80566-BS1)						Prepared: 05/10/2018 Analyzed: 05/11/2018					
1,1-Biphenyl	0.658	0.0417	mg/kg wet	0.833		79.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.653	0.0833	"	0.833		78.3	21-131				
1,2,4-Trichlorobenzene	0.690	0.0417	"	0.833		82.8	10-140				
1,2-Dichlorobenzene	0.592	0.0417	"	0.833		71.0	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.207	0.0417	"	0.833		24.8	17-137				
1,3-Dichlorobenzene	0.585	0.0417	"	0.833		70.2	33-110				
1,4-Dichlorobenzene	0.581	0.0417	"	0.833		69.7	32-104				
2,3,4,6-Tetrachlorophenol	1.66	0.0833	"	0.833		199	30-130	High Bias			
2,4,5-Trichlorophenol	0.735	0.0417	"	0.833		88.2	27-118				
2,4,6-Trichlorophenol	0.707	0.0417	"	0.833		84.8	31-120				
2,4-Dichlorophenol	0.721	0.0417	"	0.833		86.5	20-127				
2,4-Dimethylphenol	0.701	0.0417	"	0.833		84.1	14-132				
2,4-Dinitrophenol	1.07	0.0833	"	0.833		128	10-171				
2,4-Dinitrotoluene	1.10	0.0417	"	0.833		132	34-131	High Bias			
2,6-Dinitrotoluene	1.05	0.0417	"	0.833		126	31-128				
2-Chloronaphthalene	0.644	0.0417	"	0.833		77.3	31-117				
2-Chlorophenol	0.626	0.0417	"	0.833		75.1	33-113				
2-Methylnaphthalene	0.719	0.0417	"	0.833		86.2	12-138				
2-Methylphenol	0.641	0.0417	"	0.833		77.0	10-136				
2-Nitroaniline	0.873	0.0833	"	0.833		105	27-132				
2-Nitrophenol	0.852	0.0417	"	0.833		102	17-129				
3- & 4-Methylphenols	0.572	0.0417	"	0.833		68.7	29-103				
3,3-Dichlorobenzidine	0.678	0.0417	"	0.833		81.4	22-149				
3-Nitroaniline	0.686	0.0833	"	0.833		82.4	20-133				
4,6-Dinitro-2-methylphenol	1.13	0.0833	"	0.833		136	10-143				
4-Bromophenyl phenyl ether	0.702	0.0417	"	0.833		84.2	29-120				
4-Chloro-3-methylphenol	0.722	0.0417	"	0.833		86.6	24-129				
4-Chloroaniline	0.444	0.0417	"	0.833		53.3	10-132				
4-Chlorophenyl phenyl ether	0.695	0.0417	"	0.833		83.4	27-124				
4-Nitroaniline	0.838	0.0833	"	0.833		101	16-128				
4-Nitrophenol	0.696	0.0833	"	0.833		83.5	10-141				
Acenaphthene	0.601	0.0417	"	0.833		72.1	30-121				
Acenaphthylene	0.650	0.0417	"	0.833		78.0	30-115				
Acetophenone	0.603	0.0417	"	0.833		72.3	20-112				
Aniline	0.408	0.167	"	0.833		49.0	10-119				
Anthracene	0.675	0.0417	"	0.833		81.0	34-118				
Atrazine	0.791	0.0417	"	0.833		94.9	26-112				
Benzaldehyde	0.623	0.0417	"	0.833		74.8	21-100				
Benzo(a)anthracene	0.766	0.0417	"	0.833		91.9	32-122				
Benzo(a)pyrene	0.733	0.0417	"	0.833		87.9	29-133				
Benzo(b)fluoranthene	0.722	0.0417	"	0.833		86.7	25-133				
Benzo(g,h,i)perylene	0.767	0.0417	"	0.833		92.1	10-143				
Benzo(k)fluoranthene	0.687	0.0417	"	0.833		82.4	25-128				
Benzoic acid	0.129	0.0417	"	0.847		15.2	10-140				
Benzyl alcohol	0.600	0.0417	"	0.833		72.0	30-115				
Benzyl butyl phthalate	0.846	0.0417	"	0.833		102	26-126				
Bis(2-chloroethoxy)methane	0.615	0.0417	"	0.833		73.8	19-132				
Bis(2-chloroethyl)ether	0.581	0.0417	"	0.833		69.7	19-125				
Bis(2-chloroisopropyl)ether	0.565	0.0417	"	0.833		67.8	20-135				
Bis(2-ethylhexyl)phthalate	0.802	0.0417	"	0.833		96.2	10-155				
Caprolactam	0.785	0.0833	"	0.833		94.2	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80566 - EPA 3550C

LCS (BE80566-BS1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Carbazole	0.682	0.0417	mg/kg wet	0.833		81.8	35-123				
Chrysene	0.691	0.0417	"	0.833		82.9	32-123				
Dibenzo(a,h)anthracene	0.717	0.0417	"	0.833		86.0	10-136				
Dibenzofuran	0.652	0.0417	"	0.833		78.2	29-121				
Diethyl phthalate	0.717	0.0417	"	0.833		86.0	34-116				
Dimethyl phthalate	0.701	0.0417	"	0.833		84.2	35-124				
Di-n-butyl phthalate	0.731	0.0417	"	0.833		87.8	31-116				
Di-n-octyl phthalate	0.839	0.0417	"	0.833		101	26-136				
Fluoranthene	0.711	0.0417	"	0.833		85.4	33-122				
Fluorene	0.674	0.0417	"	0.833		80.9	29-123				
Hexachlorobenzene	0.678	0.0417	"	0.833		81.4	21-124				
Hexachlorobutadiene	0.749	0.0417	"	0.833		89.9	10-149				
Hexachlorocyclopentadiene	0.616	0.0417	"	0.833		73.9	10-129				
Hexachloroethane	0.621	0.0417	"	0.833		74.5	28-108				
Indeno(1,2,3-cd)pyrene	0.735	0.0417	"	0.833		88.2	10-135				
Isophorone	0.663	0.0417	"	0.833		79.5	20-132				
Naphthalene	0.652	0.0417	"	0.833		78.2	23-124				
Nitrobenzene	0.690	0.0417	"	0.833		82.8	13-132				
N-Nitrosodimethylamine	0.534	0.0417	"	0.833		64.1	11-129				
N-nitroso-di-n-propylamine	0.577	0.0417	"	0.833		69.2	24-119				
N-Nitrosodiphenylamine	0.760	0.0417	"	0.833		91.2	22-152				
Pentachlorophenol	0.527	0.0417	"	0.833		63.2	10-139				
Phenanthrene	0.663	0.0417	"	0.833		79.5	33-123				
Phenol	0.643	0.0417	"	0.833		77.2	23-115				
Pyrene	0.706	0.0417	"	0.833		84.7	32-130				
Pyridine	0.438	0.167	"	0.833		52.6	10-91				
<i>Surrogate: 2-Fluorophenol</i>	<i>0.930</i>		<i>"</i>	<i>1.29</i>		<i>72.2</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>0.959</i>		<i>"</i>	<i>1.27</i>		<i>75.5</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.730</i>		<i>"</i>	<i>0.833</i>		<i>87.6</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.621</i>		<i>"</i>	<i>0.830</i>		<i>74.8</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.33</i>		<i>"</i>	<i>1.31</i>		<i>102</i>	<i>19-110</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>0.572</i>		<i>"</i>	<i>0.837</i>		<i>68.3</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
Batch BE80566 - EPA 3550C											
Matrix Spike (BE80566-MS1)		*Source sample: 18E0411-11 (011/LSB-18A)					Prepared: 05/10/2018 Analyzed: 05/11/2018				
1,1-Biphenyl	0.446	0.0892	mg/kg dry	0.891	ND	50.1	10-130				
1,2,4,5-Tetrachlorobenzene	0.486	0.178	"	0.891	ND	54.5	10-133				
1,2,4-Trichlorobenzene	0.493	0.0892	"	0.891	ND	55.4	10-127				
1,2-Dichlorobenzene	0.405	0.0892	"	0.891	ND	45.4	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.274	0.0892	"	0.891	ND	30.8	10-144				
1,3-Dichlorobenzene	0.378	0.0892	"	0.891	ND	42.4	11-111				
1,4-Dichlorobenzene	0.371	0.0892	"	0.891	ND	41.6	10-106				
2,3,4,6-Tetrachlorophenol	1.24	0.178	"	0.891	ND	139	30-130	High Bias			
2,4,5-Trichlorophenol	0.594	0.0892	"	0.891	ND	66.6	10-127				
2,4,6-Trichlorophenol	0.553	0.0892	"	0.891	ND	62.0	10-132				
2,4-Dichlorophenol	0.560	0.0892	"	0.891	ND	62.9	10-128				
2,4-Dimethylphenol	0.508	0.0892	"	0.891	ND	57.0	10-137				
2,4-Dinitrophenol	ND	0.178	"	0.891	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.759	0.0892	"	0.891	ND	85.2	16-135				
2,6-Dinitrotoluene	0.745	0.0892	"	0.891	ND	83.6	18-131				
2-Chloronaphthalene	0.476	0.0892	"	0.891	ND	53.4	10-129				
2-Chlorophenol	0.452	0.0892	"	0.891	ND	50.7	15-116				
2-Methylnaphthalene	0.546	0.0892	"	0.891	ND	61.3	10-147				
2-Methylphenol	0.505	0.0892	"	0.891	ND	56.7	10-136				
2-Nitroaniline	0.655	0.178	"	0.891	ND	73.4	10-137				
2-Nitrophenol	0.575	0.0892	"	0.891	ND	64.5	10-129				
3- & 4-Methylphenols	0.449	0.0892	"	0.891	ND	50.4	10-123				
3,3-Dichlorobenzidine	0.272	0.0892	"	0.891	ND	30.6	10-155				
3-Nitroaniline	0.538	0.178	"	0.891	ND	60.4	12-133				
4,6-Dinitro-2-methylphenol	ND	0.178	"	0.891	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.562	0.0892	"	0.891	ND	63.0	14-128				
4-Chloro-3-methylphenol	0.576	0.0892	"	0.891	ND	64.6	10-134				
4-Chloroaniline	0.362	0.0892	"	0.891	ND	40.6	10-145				
4-Chlorophenyl phenyl ether	0.534	0.0892	"	0.891	ND	59.9	14-130				
4-Nitroaniline	0.546	0.178	"	0.891	ND	61.3	10-147				
4-Nitrophenol	0.494	0.178	"	0.891	ND	55.4	10-137				
Acenaphthene	0.493	0.0892	"	0.891	ND	55.4	10-146				
Acenaphthylene	0.561	0.0892	"	0.891	0.0696	55.2	10-134				
Acetophenone	0.408	0.0892	"	0.891	ND	45.8	10-116				
Aniline	0.264	0.357	"	0.891	ND	29.6	10-123				
Anthracene	0.686	0.0892	"	0.891	0.130	62.4	10-142				
Atrazine	0.548	0.0892	"	0.891	ND	61.4	19-115				
Benzaldehyde	0.404	0.0892	"	0.891	ND	45.4	10-125				
Benzo(a)anthracene	1.29	0.0892	"	0.891	0.555	82.6	10-158				
Benzo(a)pyrene	1.26	0.0892	"	0.891	0.541	80.2	10-180				
Benzo(b)fluoranthene	1.16	0.0892	"	0.891	0.435	81.2	10-200				
Benzo(g,h,i)perylene	1.10	0.0892	"	0.891	0.405	77.8	10-138				
Benzo(k)fluoranthene	1.09	0.0892	"	0.891	0.445	72.0	10-197				
Benzoic acid	0.0506	0.0892	"	0.905	ND	5.59	10-166	Low Bias			
Benzyl alcohol	0.458	0.0892	"	0.891	ND	51.4	12-124				
Benzyl butyl phthalate	0.732	0.0892	"	0.891	0.0469	76.8	10-154				
Bis(2-chloroethoxy)methane	0.438	0.0892	"	0.891	ND	49.1	10-132				
Bis(2-chloroethyl)ether	0.441	0.0892	"	0.891	ND	49.5	10-119				
Bis(2-chloroisopropyl)ether	0.421	0.0892	"	0.891	ND	47.3	10-139				
Bis(2-ethylhexyl)phthalate	0.764	0.0892	"	0.891	0.0959	74.9	10-167				
Caprolactam	0.472	0.178	"	0.891	ND	53.0	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80566 - EPA 3550C

Matrix Spike (BE80566-MS1)	*Source sample: 18E0411-11 (011/LSB-18A)						Prepared: 05/10/2018 Analyzed: 05/11/2018				
Carbazole	0.563	0.0892	mg/kg dry	0.891	ND	63.2	10-167				
Chrysene	1.23	0.0892	"	0.891	0.557	75.1	10-156				
Dibenzo(a,h)anthracene	0.784	0.0892	"	0.891	0.126	73.8	10-137				
Dibenzofuran	0.510	0.0892	"	0.891	ND	57.3	10-147				
Diethyl phthalate	0.513	0.0892	"	0.891	ND	57.6	20-120				
Dimethyl phthalate	0.492	0.0892	"	0.891	ND	55.2	18-131				
Di-n-butyl phthalate	0.565	0.0892	"	0.891	ND	63.4	10-137				
Di-n-octyl phthalate	0.670	0.0892	"	0.891	ND	75.2	10-180				
Fluoranthene	1.58	0.0892	"	0.891	0.925	73.5	10-160				
Fluorene	0.565	0.0892	"	0.891	ND	63.4	10-157				
Hexachlorobenzene	0.568	0.0892	"	0.891	ND	63.7	10-137				
Hexachlorobutadiene	0.548	0.0892	"	0.891	ND	61.4	10-132				
Hexachlorocyclopentadiene	0.104	0.0892	"	0.891	ND	11.7	10-106				
Hexachloroethane	0.391	0.0892	"	0.891	ND	43.8	10-110				
Indeno(1,2,3-cd)pyrene	1.00	0.0892	"	0.891	0.334	74.6	10-144				
Isophorone	0.473	0.0892	"	0.891	ND	53.0	10-132				
Naphthalene	0.479	0.0892	"	0.891	ND	53.8	10-141				
Nitrobenzene	0.497	0.0892	"	0.891	ND	55.8	10-131				
N-Nitrosodimethylamine	0.306	0.0892	"	0.891	ND	34.3	10-126				
N-nitroso-di-n-propylamine	0.427	0.0892	"	0.891	ND	47.9	10-125				
N-Nitrosodiphenylamine	0.627	0.0892	"	0.891	ND	70.4	10-177				
Pentachlorophenol	0.404	0.0892	"	0.891	ND	45.4	10-153				
Phenanthrene	1.03	0.0892	"	0.891	0.486	61.2	10-148				
Phenol	0.492	0.0892	"	0.891	ND	55.2	10-126				
Pyrene	2.01	0.0892	"	0.891	1.14	97.3	10-165				
Pyridine	0.219	0.357	"	0.891	ND	24.6	10-83				
Surrogate: 2-Fluorophenol	0.635		"	1.38		46.1	20-108				
Surrogate: Phenol-d5	0.726		"	1.36		53.4	23-114				
Surrogate: Nitrobenzene-d5	0.508		"	0.891		57.0	22-108				
Surrogate: 2-Fluorobiphenyl	0.431		"	0.888		48.5	21-113				
Surrogate: 2,4,6-Tribromophenol	1.05		"	1.40		75.4	19-110				
Surrogate: Terphenyl-d14	0.497		"	0.895		55.5	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	Limit	Flag
Batch BE80566 - EPA 3550C											
Matrix Spike Dup (BE80566-MSD1)		*Source sample: 18E0411-11 (011/LSB-18A)					Prepared: 05/10/2018 Analyzed: 05/11/2018				
1,1-Biphenyl	0.451	0.0892	mg/kg dry	0.891	ND	50.6	10-130		0.954	30	
1,2,4,5-Tetrachlorobenzene	0.448	0.178	"	0.891	ND	50.3	10-133		7.94	30	
1,2,4-Trichlorobenzene	0.448	0.0892	"	0.891	ND	50.3	10-127		9.54	30	
1,2-Dichlorobenzene	0.395	0.0892	"	0.891	ND	44.3	14-111		2.50	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.159	0.0892	"	0.891	ND	17.8	10-144		53.3	30	Non-dir.
1,3-Dichlorobenzene	0.369	0.0892	"	0.891	ND	41.4	11-111		2.29	30	
1,4-Dichlorobenzene	0.368	0.0892	"	0.891	ND	41.3	10-106		0.772	30	
2,3,4,6-Tetrachlorophenol	1.20	0.178	"	0.891	ND	135	30-130	High Bias	2.93	30	
2,4,5-Trichlorophenol	0.541	0.0892	"	0.891	ND	60.7	10-127		9.30	30	
2,4,6-Trichlorophenol	0.515	0.0892	"	0.891	ND	57.8	10-132		7.08	30	
2,4-Dichlorophenol	0.519	0.0892	"	0.891	ND	58.2	10-128		7.66	30	
2,4-Dimethylphenol	0.465	0.0892	"	0.891	ND	52.2	10-137		8.80	30	
2,4-Dinitrophenol	ND	0.178	"	0.891	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.627	0.0892	"	0.891	ND	70.4	16-135		19.0	30	
2,6-Dinitrotoluene	0.640	0.0892	"	0.891	ND	71.8	18-131		15.2	30	
2-Chloronaphthalene	0.444	0.0892	"	0.891	ND	49.8	10-129		6.97	30	
2-Chlorophenol	0.420	0.0892	"	0.891	ND	47.1	15-116		7.36	30	
2-Methylnaphthalene	0.503	0.0892	"	0.891	ND	56.4	10-147		8.29	30	
2-Methylphenol	0.448	0.0892	"	0.891	ND	50.3	10-136		12.0	30	
2-Nitroaniline	0.637	0.178	"	0.891	ND	71.4	10-137		2.76	30	
2-Nitrophenol	0.527	0.0892	"	0.891	ND	59.1	10-129		8.67	30	
3- & 4-Methylphenols	0.414	0.0892	"	0.891	ND	46.5	10-123		8.09	30	
3,3-Dichlorobenzidine	0.195	0.0892	"	0.891	ND	21.8	10-155		33.3	30	Non-dir.
3-Nitroaniline	0.486	0.178	"	0.891	ND	54.5	12-133		10.3	30	
4,6-Dinitro-2-methylphenol	ND	0.178	"	0.891	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.543	0.0892	"	0.891	ND	61.0	14-128		3.35	30	
4-Chloro-3-methylphenol	0.522	0.0892	"	0.891	ND	58.6	10-134		9.87	30	
4-Chloroaniline	0.332	0.0892	"	0.891	ND	37.3	10-145		8.62	30	
4-Chlorophenyl phenyl ether	0.477	0.0892	"	0.891	ND	53.5	14-130		11.3	30	
4-Nitroaniline	0.477	0.178	"	0.891	ND	53.5	10-147		13.5	30	
4-Nitrophenol	0.455	0.178	"	0.891	ND	51.0	10-137		8.26	30	
Acenaphthene	0.466	0.0892	"	0.891	ND	52.3	10-146		5.65	30	
Acenaphthylene	0.520	0.0892	"	0.891	0.0696	50.6	10-134		7.51	30	
Acetophenone	0.396	0.0892	"	0.891	ND	44.5	10-116		2.84	30	
Aniline	0.245	0.357	"	0.891	ND	27.5	10-123		7.28	30	
Anthracene	0.650	0.0892	"	0.891	0.130	58.4	10-142		5.34	30	
Atrazine	0.551	0.0892	"	0.891	ND	61.8	19-115		0.649	30	
Benzaldehyde	0.411	0.0892	"	0.891	ND	46.1	10-125		1.57	30	
Benzo(a)anthracene	1.20	0.0892	"	0.891	0.555	72.9	10-158		6.91	30	
Benzo(a)pyrene	1.23	0.0892	"	0.891	0.541	77.4	10-180		1.95	30	
Benzo(b)fluoranthene	1.07	0.0892	"	0.891	0.435	71.5	10-200		7.80	30	
Benzo(g,h,i)perylene	1.03	0.0892	"	0.891	0.405	70.4	10-138		6.16	30	
Benzo(k)fluoranthene	1.04	0.0892	"	0.891	0.445	66.4	10-197		4.77	30	
Benzoic acid	0.118	0.0892	"	0.905	ND	13.0	10-166		79.7	30	Non-dir.
Benzyl alcohol	0.407	0.0892	"	0.891	ND	45.7	12-124		11.9	30	
Benzyl butyl phthalate	0.689	0.0892	"	0.891	0.0469	72.1	10-154		5.92	30	
Bis(2-chloroethoxy)methane	0.408	0.0892	"	0.891	ND	45.8	10-132		7.08	30	
Bis(2-chloroethyl)ether	0.473	0.0892	"	0.891	ND	53.1	10-119		7.01	30	
Bis(2-chloroisopropyl)ether	0.396	0.0892	"	0.891	ND	44.4	10-139		6.28	30	
Bis(2-ethylhexyl)phthalate	0.697	0.0892	"	0.891	0.0959	67.5	10-167		9.08	30	
Caprolactam	0.478	0.178	"	0.891	ND	53.7	10-132		1.35	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80566 - EPA 3550C

Matrix Spike Dup (BE80566-MSD1)		*Source sample: 18E0411-11 (011/LSB-18A)					Prepared: 05/10/2018 Analyzed: 05/11/2018				
Carbazole	0.525	0.0892	mg/kg dry	0.891	ND	59.0	10-167		6.94	30	
Chrysene	1.15	0.0892	"	0.891	0.557	66.1	10-156		6.79	30	
Dibenzo(a,h)anthracene	0.740	0.0892	"	0.891	0.126	68.9	10-137		5.71	30	
Dibenzofuran	0.465	0.0892	"	0.891	ND	52.2	10-147		9.36	30	
Diethyl phthalate	0.478	0.0892	"	0.891	ND	53.6	20-120		7.19	30	
Dimethyl phthalate	0.456	0.0892	"	0.891	ND	51.1	18-131		7.67	30	
Di-n-butyl phthalate	0.527	0.0892	"	0.891	ND	59.1	10-137		7.05	30	
Di-n-octyl phthalate	0.645	0.0892	"	0.891	ND	72.4	10-180		3.79	30	
Fluoranthene	1.42	0.0892	"	0.891	0.925	55.7	10-160		10.6	30	
Fluorene	0.514	0.0892	"	0.891	ND	57.7	10-157		9.51	30	
Hexachlorobenzene	0.540	0.0892	"	0.891	ND	60.6	10-137		5.02	30	
Hexachlorobutadiene	0.524	0.0892	"	0.891	ND	58.8	10-132		4.39	30	
Hexachlorocyclopentadiene	0.0463	0.0892	"	0.891	ND	5.20	10-106	Low Bias	76.8	30	Non-dir.
Hexachloroethane	0.322	0.0892	"	0.891	ND	36.2	10-110		19.2	30	
Indeno(1,2,3-cd)pyrene	0.940	0.0892	"	0.891	0.334	67.9	10-144		6.18	30	
Isophorone	0.448	0.0892	"	0.891	ND	50.3	10-132		5.26	30	
Naphthalene	0.451	0.0892	"	0.891	ND	50.6	10-141		5.98	30	
Nitrobenzene	0.463	0.0892	"	0.891	ND	52.0	10-131		6.98	30	
N-Nitrosodimethylamine	0.314	0.0892	"	0.891	ND	35.3	10-126		2.76	30	
N-nitroso-di-n-propylamine	0.401	0.0892	"	0.891	ND	45.0	10-125		6.20	30	
N-Nitrosodiphenylamine	0.637	0.0892	"	0.891	ND	71.4	10-177		1.47	30	
Pentachlorophenol	0.416	0.0892	"	0.891	ND	46.6	10-153		2.78	30	
Phenanthrene	0.962	0.0892	"	0.891	0.486	53.4	10-148		6.94	30	
Phenol	0.439	0.0892	"	0.891	ND	49.3	10-126		11.3	30	
Pyrene	1.79	0.0892	"	0.891	1.14	73.3	10-165		11.3	30	
Pyridine	0.232	0.357	"	0.891	ND	26.0	10-83		5.70	30	
Surrogate: 2-Fluorophenol	0.663		"	1.38		48.1	20-108				
Surrogate: Phenol-d5	0.699		"	1.36		51.4	23-114				
Surrogate: Nitrobenzene-d5	0.510		"	0.891		57.2	22-108				
Surrogate: 2-Fluorobiphenyl	0.434		"	0.888		48.9	21-113				
Surrogate: 2,4,6-Tribromophenol	1.10		"	1.40		79.0	19-110				
Surrogate: Terphenyl-d14	0.488		"	0.895		54.5	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80568 - EPA 3550C

Blank (BE80568-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								
Surrogate: Decachlorobiphenyl	0.0754		"	0.0697		108	30-150				
Surrogate: Tetrachloro-m-xylene	0.0644		"	0.0673		95.6	30-150				

LCS (BE80568-BS1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

4,4'-DDD	0.0419	0.000330	mg/kg wet	0.0333		126	40-140				
4,4'-DDE	0.0377	0.000330	"	0.0333		113	40-140				
4,4'-DDT	0.0375	0.000330	"	0.0333		113	40-140				
Aldrin	0.0376	0.000330	"	0.0333		113	40-140				
alpha-BHC	0.0392	0.000330	"	0.0333		118	40-140				
alpha-Chlordane	0.0344	0.000330	"	0.0333		103	40-140				
beta-BHC	0.0422	0.000330	"	0.0333		127	40-140				
delta-BHC	0.0421	0.000330	"	0.0333		126	40-140				
Dieldrin	0.0371	0.000330	"	0.0333		111	40-140				
Endosulfan I	0.0359	0.000330	"	0.0333		108	40-140				
Endosulfan II	0.0362	0.000330	"	0.0333		109	40-140				
Endosulfan sulfate	0.0379	0.000330	"	0.0333		114	40-140				
Endrin	0.0348	0.000330	"	0.0333		104	40-140				
Endrin aldehyde	0.0368	0.000330	"	0.0333		110	40-140				
Endrin ketone	0.0373	0.000330	"	0.0333		112	40-140				
gamma-BHC (Lindane)	0.0380	0.000330	"	0.0333		114	40-140				
gamma-Chlordane	0.0338	0.000330	"	0.0333		101	40-140				
Heptachlor	0.0333	0.000330	"	0.0333		99.8	40-140				
Heptachlor epoxide	0.0341	0.000330	"	0.0333		102	40-140				
Methoxychlor	0.0347	0.00165	"	0.0333		104	40-140				
Surrogate: Decachlorobiphenyl	0.0620		"	0.0697		89.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0638		"	0.0673		94.8	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80568 - EPA 3550C

Matrix Spike (BE80568-MS1)		*Source sample: 18E0411-19 (019/LSB-19A)					Prepared: 05/10/2018 Analyzed: 05/14/2018				
4,4'-DDD	0.0368	0.00175	mg/kg dry	0.0354	ND	104	30-150				
4,4'-DDE	0.0362	0.00175	"	0.0354	ND	102	30-150				
4,4'-DDT	0.0488	0.00175	"	0.0354	0.0117	105	30-150				
Aldrin	0.0255	0.00175	"	0.0354	ND	72.0	30-150				
alpha-BHC	0.0265	0.00175	"	0.0354	ND	74.9	30-150				
alpha-Chlordane	0.0365	0.00175	"	0.0354	0.0121	68.8	30-150				
beta-BHC	0.0374	0.00175	"	0.0354	ND	106	30-150				
delta-BHC	0.0268	0.00175	"	0.0354	ND	75.6	30-150				
Dieldrin	0.0315	0.00175	"	0.0354	0.00559	73.3	30-150				
Endosulfan I	0.0253	0.00175	"	0.0354	ND	71.6	30-150				
Endosulfan II	0.0268	0.00175	"	0.0354	ND	75.7	30-150				
Endosulfan sulfate	0.0288	0.00175	"	0.0354	ND	81.4	30-150				
Endrin	0.0320	0.00175	"	0.0354	ND	90.3	30-150				
Endrin aldehyde	0.0291	0.00175	"	0.0354	ND	82.3	30-150				
Endrin ketone	0.0327	0.00175	"	0.0354	ND	92.5	30-150				
gamma-BHC (Lindane)	0.0269	0.00175	"	0.0354	ND	76.1	30-150				
gamma-Chlordane	0.0321	0.00175	"	0.0354	0.00938	64.2	30-150				
Heptachlor	0.0308	0.00175	"	0.0354	ND	87.0	30-150				
Heptachlor epoxide	0.0284	0.00175	"	0.0354	ND	80.2	30-150				
Methoxychlor	0.0431	0.00876	"	0.0354	ND	122	30-150				
Surrogate: Decachlorobiphenyl	0.0884		"	0.0740		119	30-150				
Surrogate: Tetrachloro-m-xylene	0.0246		"	0.0715		34.4	30-150				

Matrix Spike Dup (BE80568-MSD1)		*Source sample: 18E0411-19 (019/LSB-19A)					Prepared: 05/10/2018 Analyzed: 05/15/2018				
4,4'-DDD	0.0350	0.00175	mg/kg dry	0.0354	ND	99.0	30-150	5.02	30		
4,4'-DDE	0.0360	0.00175	"	0.0354	ND	102	30-150	0.367	30		
4,4'-DDT	0.0460	0.00175	"	0.0354	0.0117	96.9	30-150	5.83	30		
Aldrin	0.0269	0.00175	"	0.0354	ND	75.9	30-150	5.20	30		
alpha-BHC	0.0275	0.00175	"	0.0354	ND	77.8	30-150	3.73	30		
alpha-Chlordane	0.0361	0.00175	"	0.0354	0.0121	67.7	30-150	1.10	30		
beta-BHC	0.0362	0.00175	"	0.0354	ND	102	30-150	3.31	30		
delta-BHC	0.0257	0.00175	"	0.0354	ND	72.5	30-150	4.19	30		
Dieldrin	0.0317	0.00175	"	0.0354	0.00559	73.9	30-150	0.638	30		
Endosulfan I	0.0266	0.00175	"	0.0354	ND	75.2	30-150	4.90	30		
Endosulfan II	0.0263	0.00175	"	0.0354	ND	74.4	30-150	1.71	30		
Endosulfan sulfate	0.0275	0.00175	"	0.0354	ND	77.8	30-150	4.56	30		
Endrin	0.0320	0.00175	"	0.0354	ND	90.5	30-150	0.249	30		
Endrin aldehyde	0.0334	0.00175	"	0.0354	ND	94.3	30-150	13.6	30		
Endrin ketone	0.0316	0.00175	"	0.0354	ND	89.2	30-150	3.62	30		
gamma-BHC (Lindane)	0.0279	0.00175	"	0.0354	ND	78.8	30-150	3.43	30		
gamma-Chlordane	0.0322	0.00175	"	0.0354	0.00938	64.6	30-150	0.396	30		
Heptachlor	0.0315	0.00175	"	0.0354	ND	89.0	30-150	2.34	30		
Heptachlor epoxide	0.0288	0.00175	"	0.0354	ND	81.3	30-150	1.22	30		
Methoxychlor	0.0486	0.00876	"	0.0354	ND	137	30-150	12.1	30		
Surrogate: Decachlorobiphenyl	0.0753		"	0.0740		102	30-150				
Surrogate: Tetrachloro-m-xylene	0.0300		"	0.0715		41.9	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8E0321 - BE80076

Performance Mix (Y8E0321-PEM1)

Prepared & Analyzed: 05/03/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDD	0.00		"	0.00			0-200			
4,4'-DDE	0.946		"	0.00			0-200			
4,4'-DDE	0.946		"	0.00			0-200			
4,4'-DDT	214		"	200		107	0-200			
4,4'-DDT	214		"	200		107	0-200			
Endrin	124		"	100		124	0-200			
Endrin	124		"	100		124	0-200			
Endrin aldehyde	1.48		"	0.00			0-200			
Endrin aldehyde	1.48		"	0.00			0-200			
Endrin ketone	3.92		"	0.00			0-200			
Endrin ketone	3.92		"	0.00			0-200			

Batch Y8E1411 - BE80295

Performance Mix (Y8E1411-PEM1)

Prepared & Analyzed: 05/11/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.901		"	0.00			0-200			
4,4'-DDT	193		"	200		96.7	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	3.27		"	0.00			0-200			
Endrin ketone	6.17		"	0.00			0-200			

Performance Mix (Y8E1411-PEM2)

Prepared & Analyzed: 05/11/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.54		"	0.00			0-200			
4,4'-DDT	233		"	200		117	0-200			
Endrin	139		"	100		139	0-200			
Endrin aldehyde	1.14		"	0.00			0-200			
Endrin ketone	6.14		"	0.00			0-200			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch Y8E1506 - BE80295											
Performance Mix (Y8E1506-PEM1)						Prepared & Analyzed: 05/14/2018					
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.22		"	0.00			0-200				
4,4'-DDT	128		"	200		63.8	0-200				
Endrin	92.3		"	100		92.3	0-200				
Endrin aldehyde	1.32		"	0.00			0-200				
Endrin ketone	5.89		"	0.00			0-200				
Performance Mix (Y8E1506-PEM2)						Prepared & Analyzed: 05/14/2018					
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.13		"	0.00			0-200				
4,4'-DDT	190		"	200		95.0	0-200				
Endrin	120		"	100		120	0-200				
Endrin aldehyde	1.36		"	0.00			0-200				
Endrin ketone	6.41		"	0.00			0-200				
Performance Mix (Y8E1506-PEM3)						Prepared: 05/14/2018 Analyzed: 05/15/2018					
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.49		"	0.00			0-200				
4,4'-DDT	236		"	200		118	0-200				
Endrin	140		"	100		140	0-200				
Endrin aldehyde	1.07		"	0.00			0-200				
Endrin ketone	6.07		"	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 BE80568 - EPA 3550C											
Blank (BE80568-BLK2)						Prepared: 05/10/2018 Analyzed: 05/11/2018					
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	0.0693		"	0.0673		103	30-120				
Surrogate: Decachlorobiphenyl	0.0767		"	0.0697		110	30-120				
LCS (BE80568-BS2)						Prepared: 05/10/2018 Analyzed: 05/11/2018					
Aroclor 1016	0.389	0.0167	mg/kg wet	0.333		117	40-130				
Aroclor 1260	0.396	0.0167	"	0.333		119	40-120				
Surrogate: Tetrachloro-m-xylene	0.0697		"	0.0673		103	30-120				
Surrogate: Decachlorobiphenyl	0.0740		"	0.0697		106	30-120				
Matrix Spike (BE80568-MS2)						*Source sample: 18E0411-19 (019/LSB-19A) Prepared: 05/10/2018 Analyzed: 05/11/2018					
Aroclor 1016	0.340	0.0177	mg/kg dry	0.354	ND	96.1	40-140				
Aroclor 1260	0.294	0.0177	"	0.354	0.0353	73.0	40-140				
Surrogate: Tetrachloro-m-xylene	0.0754		"	0.0715		105	30-120				
Surrogate: Decachlorobiphenyl	0.0598		"	0.0740		80.9	30-120				
Matrix Spike Dup (BE80568-MSD2)						*Source sample: 18E0411-19 (019/LSB-19A) Prepared: 05/10/2018 Analyzed: 05/11/2018					
Aroclor 1016	0.332	0.0177	mg/kg dry	0.354	ND	93.8	40-140	2.43	50		
Aroclor 1260	0.296	0.0177	"	0.354	0.0353	73.7	40-140	0.750	50		
Surrogate: Tetrachloro-m-xylene	0.0591		"	0.0715		82.7	30-120				
Surrogate: Decachlorobiphenyl	0.0509		"	0.0739		68.9	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

Batch BE80470 - EPA 3050B

Blank (BE80470-BLK1)

Prepared: 05/09/2018 Analyzed: 05/10/2018

Aluminum	ND	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	ND	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.50	"

Reference (BE80470-SRM1)

Prepared: 05/09/2018 Analyzed: 05/10/2018

Aluminum	7270	5.00	mg/kg wet	8040	90.4	39.4-160.5
Antimony	97.3	0.500	"	91.4	106	25.1-275.7
Arsenic	152	1.00	"	146	104	69.9-132.9
Barium	101	1.00	"	102	98.6	71.5-136.3
Beryllium	149	0.100	"	134	111	75.4-138.1
Cadmium	68.0	0.300	"	63.2	108	73.3-141.5
Calcium	6430	5.00	"	5930	108	73.7-136.1
Chromium	95.1	0.500	"	89.3	106	69.1-143.3
Cobalt	134	0.500	"	119	112	74.6-142
Copper	67.3	0.500	"	60.8	111	72.7-141.6
Iron	12400	2.00	"	14400	86.2	35.6-163.9
Lead	103	0.500	"	98.5	105	70.8-137.1
Magnesium	2630	5.00	"	2580	102	63.6-136.1
Manganese	408	0.500	"	370	110	75.7-134.3
Nickel	80.7	0.500	"	66.6	121	70.7-146.3
Potassium	2330	5.00	"	2340	99.5	59.8-140.2
Selenium	126	1.00	"	136	92.4	67.1-136.8
Silver	50.6	0.500	"	48.9	103	66.5-139.5
Sodium	348	10.0	"	318	109	40.6-159.8
Thallium	152	1.00	"	138	110	68-136.2
Vanadium	68.0	1.00	"	69.7	97.6	58.9-141.8
Zinc	189	1.50	"	177	107	69.5-131.1



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 BE80466 - EPA 7473 soil

Blank (BE80466-BLK1)

Prepared & Analyzed: 05/09/2018

Mercury	ND	0.0300	mg/kg wet

Reference (BE80466-SRM1)

Prepared & Analyzed: 05/09/2018

Mercury	10.658		mg/kg	13.8		77.2	57.1-143.5



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80730 - % Solids Prep

Duplicate (BE80730-DUP1)		*Source sample: 18E0411-05 (005/LSB-15A)						Prepared & Analyzed: 05/14/2018			
% Solids	94.0	0.100	%		94.4				0.467	20	



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 BE80475 - EPA SW846-3060											
Blank (BE80475-BLK1)								Prepared & Analyzed: 05/09/2018			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BE80475-DUP1)								Prepared & Analyzed: 05/09/2018			
Chromium, Hexavalent	ND	0.561	mg/kg dry		ND					35	
Matrix Spike (BE80475-MS1)								Prepared & Analyzed: 05/09/2018			
Chromium, Hexavalent	ND	0.561	mg/kg dry	22.5	ND		75-125	Low Bias			
Reference (BE80475-SRM1)								Prepared & Analyzed: 05/09/2018			
Chromium, Hexavalent	43.9		mg/L	76.9		57.1	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0411-05	005/LSB-15A	40mL Vial with Stir Bar-Cool 4° C
18E0411-06	006/LSB-15B	40mL Vial with Stir Bar-Cool 4° C
18E0411-07	007/LSB-17A	40mL Vial with Stir Bar-Cool 4° C
18E0411-08	008/LSB-17B	40mL Vial with Stir Bar-Cool 4° C
18E0411-09	009/LSB-20A	40mL Vial with Stir Bar-Cool 4° C
18E0411-10	010/LSB-20B	40mL Vial with Stir Bar-Cool 4° C
18E0411-11	011/LSB-18A	40mL Vial with Stir Bar-Cool 4° C
18E0411-12	012/LSB-18B	40mL Vial with Stir Bar-Cool 4° C
18E0411-14	014/LSB-16A	40mL Vial with Stir Bar-Cool 4° C
18E0411-15	015/DUP-1	40mL Vial with Stir Bar-Cool 4° C
18E0411-16	016/LSB-16B	40mL Vial with Stir Bar-Cool 4° C
18E0411-19	019/LSB-19A	40mL Vial with Stir Bar-Cool 4° C
18E0411-20	020/LSB-19B	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
GC-P	This flag is used for pesticide and Aroclor target compounds when there is greater than 40% difference for detected concentrations between the two GC columns. The "P" flag is not used unless a compound is identified on both columns.
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).

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 is revised to include select samples



York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
clientservices@yorklab.com
www.yorklab.com



Field Chain-of-Custody Record

YORK Project No.
18E0411

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 **2**

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company	Address	Company	Address	Company	Address	100688801		RUSH - Next Day	
Address		Address		Address				RUSH - Two Day	
300 Kimball Dr Floor 4		Address		Address				RUSH - Three Day	
Phone: 973-560-4900		Phone		Phone				RUSH - Four Day	
Contact: A. Forsburg		Contact		Contact				Standard (5-7 Day) ☒	
E-mail: aforsburg@langan.com		E-mail		E-mail					
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
Samples Collected by: (print your name above and sign below) <i>Alyson Kötzer</i> Alyson Kötzer		S - soil / solid		New York		Summary Report		Compared to the following Regulation(s) (please list in)	
		GW - groundwater		New Jersey		QA Report			
		DW - drinking water		Connecticut		NY ASP A Package			
		WW - wastewater		Pennsylvania		NY ASP B Package			
		O - Oil ; Other		Other		Other:			
Sample Identification		Sample Matrix		Date/Time Sampled		Analysis Requested		Container Description	
001 LTP-7		S		5/7/18 1400		VOC, SVOC, PCB, PEST, TAL METAL, XCR		(1) 802(4) VOA	
002 LTP-2		S		5/7/18 1430				↓	
003 LTP-1		S		5/7/18 1445				↓	
004 LTB-1		AA		5/8/18 -		VOCs		(2) VOA	
005 LTB-15A		S		5/8/18 0810		VOC, SVOC, PCB, PEST, TAL METAL, XCR		(1) 802(4) VOA	
006 LTB-15B		S		5/8/18 0815				↓	
007 LTB-17A		S		5/8/18 0815				↓	
008 LTB-17B		S		5/8/18 0850				↓	
009 LTB-20A		S		5/8/18 0905				↓	
010 LTB-20B		S		5/8/18 0920				↓	
Comments: 001/LTP-7, 002/LTP-2, and 003/LTP-1 on hold. 5 day firm TAT		Preservation: (check all that apply)						Special Instruction	
		HCl ☒ MeOH ☒ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ ZnAc ☐						Field Filtered Lab to Filter ☒	
		Ascorbic Acid ☐ Other: ☐						Date/Time	
		Date/Time		5/8/18 2:47 PM		Samples Relinquished by / Company		5/8/18 1911	
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York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
clientservices@yorklab.com
www.yorklab.com

YORK
ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

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

YORK Project No. **18E0411**
Page **2** of **2**

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: LANGAN	Company:	Company:	Company:	Company:	Company:	100688801		RUSH - Next Day	
Address: 300 Kimball Dr.	Address:	Address:	Address:	Address:	Address:	YOUR Project Name		RUSH - Two Day	
City: Parsippany NJ	City:	City:	City:	City:	City:	Christian Cultural Center		RUSH - Three Day	
Phone: 973 5604900	Phone:	Phone:	Phone:	Phone:	Phone:			RUSH - Four Day	
Contact: A Forsberg	Contact:	Contact:	Contact:	Contact:	Contact:			Standard (5-7 Day) ☒	
E-mail: aforsberg@langan.com	E-mail:	E-mail:	E-mail:	E-mail:	E-mail:				

Report / EDD Type (circle selections)		YOUR PO#:	
Summary Report	CT RCP	Standard Excel EDD	
QA Report	CT RCP DQ/DUE	EQUIS (Standard)	
NY ASP A Package	<u>NJDEP Reduced Deliverables</u>	NYSDEC EQUIS	
NY ASP B Package	NJDEP SRP HazSite		
	NJDKQP	Other:	

Sample Identification		Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
					Compared to the following Regulation(s) (please list in)
011 LSB-18A	S	S - soil / solid	New York	VOC, SVOC, PCB, PEST, MULTIMETAL, XCR	(1) 802.41 NQA
012 LSB-18B	S	GW - groundwater	New Jersey		4 AMB, 2 PLAC, 3 VOA
013 FB-1	AG	DW - drinking water	Connecticut		(1) 802.41 NQA
014 LSB-18A	S	WW - wastewater	Pennsylvania		
015 DUP-1	S	O - Oil	Other		
016 LSB-18B	S				
017 LSB-14A	S				
018 LSB-14B	S				
019 LSB-19A	S				
020 LSB-19B	S				

Sample Identification		Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
Comments: 5 Day Firm TAT					
Samples Relinquished by / Company:		Date/Time	Date/Time	Date/Time	Date/Time
Kutty LANGAN		5/8/18 1445	5/8/18 2:50 PM	5/8/18 1911	5/8/18 1911
Samples Relinquished by / Company:		Date/Time	Date/Time	Date/Time	Date/Time
Alyson Kritzer					
Samples Relinquished by / Company:		Date/Time	Date/Time	Date/Time	Date/Time
TAT		5/8/18 1911	5/8/18 1911	5/8/18 1911	5/8/18 1911



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive

Parsipanny NJ, 07054

Attention: Amanda Forsburg

Report Date: 05/21/2018

Client Project ID: 100688801

York Project (SDG) No.: 18E0702



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: 05/21/2018
Client Project ID: 100688801
York Project (SDG) No.: 18E0702

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
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 May 14, 2018 and listed below. The project was identified as your project: **100688801**.

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>
18E0702-01	053/LMW-5	Water	05/14/2018	05/14/2018
18E0702-02	054/DUP-3	Water	05/14/2018	05/14/2018
18E0702-03	055/LMW-6	Water	05/14/2018	05/14/2018
18E0702-04	056/TB-5	Water	05/14/2018	05/14/2018
18E0702-05	057/FB-2	Water	05/14/2018	05/14/2018
18E0702-06	058/LMW-3	Water	05/14/2018	05/14/2018
18E0702-07	059/LMW-4	Water	05/14/2018	05/14/2018
18E0702-08	060/LMW-2	Water	05/14/2018	05/14/2018

General Notes for York Project (SDG) No.: 18E0702

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:



Benjamin Gulizia
Laboratory Director

Date: 05/21/2018





Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:45 am

Date Received

05/14/2018

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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:40	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:45 am

Date Received

05/14/2018

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	05/18/2018 07:30	05/18/2018 15:40	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
67-64-1	Acetone	1.41	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:45 am

Date Received

05/14/2018

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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

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	05/18/2018 07:30	05/18/2018 15:40	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
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	05/18/2018 07:30	05/18/2018 15:40	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:40	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.5 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	98.0 %	70-130								

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	05/16/2018 06:56	05/18/2018 15:32	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 9:45 am

05/14/2018

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	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

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	05/16/2018 06:56	05/18/2018 15:32	SR
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

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	05/16/2018 06:56	05/18/2018 15:32	SR
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	37.8 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	24.1 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	83.7 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	76.2 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	113 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	67.6 %			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	05/16/2018 06:56	05/17/2018 10:36	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
56-55-3	Benzo(a)anthracene	0.0632		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
50-32-8	Benzo(a)pyrene	0.0526		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
206-44-0	Fluoranthene	0.105		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

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	05/16/2018 06:56	05/17/2018 10:36	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
91-20-3	Naphthalene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
85-01-8	Phenanthrene	0.0526		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
129-00-0	Pyrene	0.0737		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR

Pesticides, 8081 target 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	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
309-00-2	Aldrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
319-84-6	alpha-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
319-85-7	beta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
57-74-9	Chlordane, total	ND		ug/L	0.0229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:45 am

Date Received

05/14/2018

Pesticides, 8081 target 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
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	45.9 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	24.0 %	GC-SC		30-150					
				u						

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target 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
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0571	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 04:56	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	24.8 %	S-GC				30-150			
2051-24-3	Surrogate: Decachlorobiphenyl	40.7 %					30-150			

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.480		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-39-3	Barium	0.506		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-70-2	Calcium	225		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-50-8	Copper	0.00956		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-89-6	Iron	32.8		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-92-1	Lead	0.0533		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-95-4	Magnesium	23.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-96-5	Manganese	1.03		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-09-7	Potassium	13.8	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:45 am

Date Received

05/14/2018

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-23-5	Sodium	25.9	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-66-6	Zinc	0.0764		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-39-3	Barium	0.378		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-70-2	Calcium	224		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-50-8	Copper	0.00556		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-89-6	Iron	7.00		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-95-4	Magnesium	23.9		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-96-5	Manganese	1.03		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-09-7	Potassium	13.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-23-5	Sodium	25.9		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:45 am

Date Received

05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0225		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML

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 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7782-49-2	Selenium	0.00198		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7782-49-2	Selenium	0.00184		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 14:58	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 10:37	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 09:29	05/15/2018 09:29	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 9:50 am

05/14/2018

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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 16:09	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 9:50 am

05/14/2018

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	05/18/2018 07:30	05/18/2018 16:09	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
67-64-1	Acetone	1.12	SCAL- E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

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	05/18/2018 07:30	05/18/2018 16:09	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
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	05/18/2018 07:30	05/18/2018 16:09	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 16:09	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	70-130								
2037-26-5	Surrogate: Toluene-d8	96.6 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	97.1 %	70-130								

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	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:50 am

Date Received

05/14/2018

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	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-48-7	2-Methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
99-09-2	3-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:50 am

Date Received

05/14/2018

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	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
62-53-3	Aniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
92-87-5	Benzidine	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
65-85-0	Benzoic acid	ND		ug/L	30.3	60.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
100-51-6	Benzyl alcohol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.21	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.06	12.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

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	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
110-86-1	Pyridine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	39.4 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	25.2 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	78.7 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	72.1 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	109 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	65.6 %			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	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
120-12-7	Anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
1912-24-9	Atrazine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
218-01-9	Chrysene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
206-44-0	Fluoranthene	0.0727		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

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	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
67-72-1	Hexachloroethane	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
91-20-3	Naphthalene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
98-95-3	Nitrobenzene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
85-01-8	Phenanthrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
129-00-0	Pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR

Pesticides, 8081 target 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	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
309-00-2	Aldrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
319-84-6	alpha-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
319-85-7	beta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
57-74-9	Chlordane, total	ND		ug/L	0.0216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Pesticides, 8081 target 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
319-86-8	delta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
60-57-1	Dieldrin	ND		ug/L	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
959-98-8	Endosulfan I	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
72-20-8	Endrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	52.0 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	23.8 %	GC-SC		30-150					
				u						

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target 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
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 05:20	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	24.3 %	S-GC		30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	51.2 %			30-150					

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-89-6	Iron	ND		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-23-5	Sodium	ND		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-39-3	Barium	0.371		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-70-2	Calcium	220		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-89-6	Iron	6.98		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-95-4	Magnesium	23.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-96-5	Manganese	0.999		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-09-7	Potassium	12.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-23-5	Sodium	25.8		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0181		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML

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 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7782-49-2	Selenium	0.00194		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7782-49-2	Selenium	0.00227		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 15:06	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 10:23	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 09:29	05/15/2018 09:29	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/21/2018 07:30	05/21/2018 14:00	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
106-46-7	1,4-Dichlorobenzene	0.750		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

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	05/21/2018 07:30	05/21/2018 14:00	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
95-49-8	2-Chlorotoluene	0.450		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
67-64-1	Acetone	1.44		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-90-7	Chlorobenzene	0.240		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
110-82-7	Cyclohexane	0.840		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
98-82-8	Isopropylbenzene	0.240		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	2.50		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-87-2	Methylcyclohexane	1.20		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
104-51-8	n-Butylbenzene	0.310		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
95-47-6	o-Xylene	0.390		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
135-98-8	sec-Butylbenzene	0.320		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

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	05/21/2018 07:30	05/21/2018 14:00	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
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	05/21/2018 07:30	05/21/2018 14:00	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
1330-20-7	Xylenes, Total	0.620		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/21/2018 07:30	05/21/2018 14:00	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	70-130								
2037-26-5	Surrogate: Toluene-d8	94.8 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	96.3 %	70-130								

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	05/16/2018 06:56	05/18/2018 16:35	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 12:05 pm

Date Received

05/14/2018

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	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

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18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

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	05/16/2018 06:56	05/18/2018 16:35	SR
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR



Sample Information

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York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

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May 14, 2018 12:05 pm

Date Received
05/14/2018

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	05/16/2018 06:56	05/18/2018 16:35	SR
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	36.3 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	22.6 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	80.9 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	72.2 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	108 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	58.7 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.158		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
120-12-7	Anthracene	0.0632		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
206-44-0	Fluoranthene	0.0632		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

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May 14, 2018 12:05 pm

Date Received
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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
86-73-7	Fluorene	0.284		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
91-20-3	Naphthalene	0.305		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
85-01-8	Phenanthrene	0.358		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
57-74-9	Chlordane, total	ND		ug/L	0.0222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	42.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	34.6 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 12:05 pm

Date Received

05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11097-69-1	Aroclor 1254	0.341		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
1336-36-3	* Total PCBs	0.341		ug/L	0.0556	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 05:44	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	23.3 %	S-GC		30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	49.3 %			30-150					

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.600		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-39-3	Barium	0.388		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-70-2	Calcium	102		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-50-8	Copper	0.0125		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-89-6	Iron	34.4		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-92-1	Lead	0.117		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-95-4	Magnesium	10.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-96-5	Manganese	0.877		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-09-7	Potassium	18.1	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 12:05 pm

Date Received

05/14/2018

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-23-5	Sodium	181	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-66-6	Zinc	0.230		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-39-3	Barium	0.299		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-70-2	Calcium	135		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-89-6	Iron	9.80		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-95-4	Magnesium	13.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-96-5	Manganese	0.513		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-09-7	Potassium	13.3		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-23-5	Sodium	87.8		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 12:05 pm

Date Received

05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML

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 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7782-49-2	Selenium	0.00372		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7782-49-2	Selenium	0.00186		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 15:17	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 10:45	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 09:29	05/15/2018 09:29	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 3:00 pm

05/14/2018

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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 14:44	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 3:00 pm

05/14/2018

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	05/18/2018 07:30	05/18/2018 14:44	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 3:00 pm

05/14/2018

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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 3:00 pm

Date Received
05/14/2018

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	05/18/2018 07:30	05/18/2018 14:44	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
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	05/18/2018 07:30	05/18/2018 14:44	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 14:44	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.2 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	70-130								



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 11:30 am

05/14/2018

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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:12	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

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	05/18/2018 07:30	05/18/2018 15:12	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
67-64-1	Acetone	1.08	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 11:30 am

Date Received

05/14/2018

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	05/18/2018 07:30	05/18/2018 15:12	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 11:30 am

05/14/2018

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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
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	05/18/2018 07:30	05/18/2018 15:12	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:12	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	70-130								
2037-26-5	Surrogate: Toluene-d8	96.9 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	70-130								

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	05/16/2018 06:56	05/18/2018 17:06	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

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
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

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
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

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
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	31.2 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	18.7 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	74.5 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	66.8 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	96.5 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	62.4 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
86-73-7	Fluorene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

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
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR

Pesticides, 8081 target 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	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

Pesticides, 8081 target 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
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	108 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	86.9 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 Target 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	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

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May 14, 2018 11:30 am

Date Received

05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target 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
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/15/2018 07:26	05/16/2018 20:01	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	88.6 %								
2051-24-3	Surrogate: Decachlorobiphenyl	71.8 %								

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.710		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-39-3	Barium	1.06		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-70-2	Calcium	159		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-50-8	Copper	0.0124		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7439-89-6	Iron	48.7		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7439-92-1	Lead	0.161		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7439-95-4	Magnesium	21.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7439-96-5	Manganese	0.345		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-09-7	Potassium	21.5	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 11:30 am

Date Received

05/14/2018

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	126	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-66-6	Zinc	0.282		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-70-2	Calcium	0.0666		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-89-6	Iron	ND		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-23-5	Sodium	ND		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 11:30 am

Date Received

05/14/2018

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 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7782-49-2	Selenium	0.00116		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 15:55	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 12:11	SY



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 11:30 am

Date Received

05/14/2018

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 09:29	05/15/2018 09:29	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:00 pm

05/14/2018

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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:05	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 2:00 pm

Date Received

05/14/2018

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	05/18/2018 07:30	05/18/2018 17:05	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
67-64-1	Acetone	1.72	SCAL- E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	1.01		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 2:00 pm

Date Received

05/14/2018

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	05/18/2018 07:30	05/18/2018 17:05	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
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	05/18/2018 07:30	05/18/2018 17:05	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:05	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.2 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	97.8 %	70-130								

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	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:00 pm

05/14/2018

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
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

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
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	31.2 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	19.6 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	68.7 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	64.0 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	98.2 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	56.5 %			30.7-106						

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
83-32-9	Acenaphthene	0.119		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
120-12-7	Anthracene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
56-55-3	Benzo(a)anthracene	0.0973		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
50-32-8	Benzo(a)pyrene	0.0973		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
205-99-2	Benzo(b)fluoranthene	0.0649		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
191-24-2	Benzo(g,h,i)perylene	0.0541		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
207-08-9	Benzo(k)fluoranthene	0.0649		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
218-01-9	Chrysene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
206-44-0	Fluoranthene	0.205		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

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
86-73-7	Fluorene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
91-20-3	Naphthalene	0.108		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
85-01-8	Phenanthrene	0.173		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
129-00-0	Pyrene	0.141		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	72.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	31.5 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 2:00 pm

Date Received

05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11097-69-1	Aroclor 1254	0.224		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
1336-36-3	* Total PCBs	0.224		ug/L	0.0513	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 06:08	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	24.8 %	S-GC				30-150			
2051-24-3	Surrogate: Decachlorobiphenyl	52.2 %					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	1.33		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-39-3	Barium	1.09		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-70-2	Calcium	276		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-47-3	Chromium	0.0112		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-48-4	Cobalt	0.00606		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-50-8	Copper	0.0223		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-89-6	Iron	30.0		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-92-1	Lead	0.0956		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-95-4	Magnesium	52.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-96-5	Manganese	0.453		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-02-0	Nickel	0.00629		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-09-7	Potassium	37.8	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-23-5	Sodium	103	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-66-6	Zinc	0.0987		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-39-3	Barium	0.264		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-70-2	Calcium	103		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-89-6	Iron	5.34		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-95-4	Magnesium	9.97		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-96-5	Manganese	0.817		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-09-7	Potassium	17.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-23-5	Sodium	180		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 2:00 pm

Date Received

05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML

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 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7782-49-2	Selenium	0.00231		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7782-49-2	Selenium	0.00350		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 2:00 pm

Date Received

05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 16:03	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 11:08	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 09:29	05/15/2018 09:29	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	0.0112		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:45 pm

05/14/2018

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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:34	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

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	05/18/2018 07:30	05/18/2018 17:34	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
78-93-3	2-Butanone	1.62		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
67-64-1	Acetone	2.94	SCAL- E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	19.9		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
99-87-6	p-Isopropyltoluene	0.540		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

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	05/18/2018 07:30	05/18/2018 17:34	RDS
108-88-3	Toluene	0.230		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
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	05/18/2018 07:30	05/18/2018 17:34	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:34	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.7 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	99.6 %	70-130								

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	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
65794-96-9	3- & 4-Methylphenols	6.43		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

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05/14/2018

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
100-02-7	4-Nitrophenol	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
92-87-5	Benzidine	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
65-85-0	Benzoic acid	ND		ug/L	28.6	57.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.14	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.71	11.4	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR



Sample Information

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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
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
110-86-1	Pyridine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	35.9 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	23.5 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	75.5 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	70.6 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	111 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	55.5 %			30.7-106						

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
83-32-9	Acenaphthene	0.126		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
120-12-7	Anthracene	0.0800		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
1912-24-9	Atrazine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
218-01-9	Chrysene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
206-44-0	Fluoranthene	0.194		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR



Sample Information

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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
86-73-7	Fluorene	0.286		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
67-72-1	Hexachloroethane	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
91-20-3	Naphthalene	0.206		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
98-95-3	Nitrobenzene	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
85-01-8	Phenanthrene	0.389		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
129-00-0	Pyrene	0.103		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
309-00-2	Aldrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
319-84-6	alpha-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
319-85-7	beta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
57-74-9	Chlordane, total	ND		ug/L	0.0229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	48.4 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	23.8 %	GC-SC		30-150					
			u							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB

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Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0571	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 04:32	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	25.2 %	S-GC				30-150			
2051-24-3	Surrogate: Decachlorobiphenyl	55.0 %					30-150			

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.232		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-39-3	Barium	0.0814		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-70-2	Calcium	82.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-48-4	Cobalt	0.00615		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-89-6	Iron	0.532		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-95-4	Magnesium	7.61		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-96-5	Manganese	0.439		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-09-7	Potassium	10.6	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 2:45 pm

Date Received

05/14/2018

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-23-5	Sodium	76.1	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-39-3	Barium	0.450		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-70-2	Calcium	156		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-89-6	Iron	2.94		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-95-4	Magnesium	21.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-96-5	Manganese	0.309		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-09-7	Potassium	20.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-23-5	Sodium	123		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0181		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML

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 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-38-2	Arsenic	0.00957		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7782-49-2	Selenium	0.0209		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-38-2	Arsenic	0.00455		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7782-49-2	Selenium	0.0146		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 16:15	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 12:23	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 09:29	05/15/2018 09:29	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 4:15 pm

05/14/2018

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	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 18:02	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
95-63-6	1,2,4-Trimethylbenzene	0.260		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS



Sample Information

Client Sample ID: 060/LMW-2

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Matrix
Water

Collection Date/Time
May 14, 2018 4:15 pm

Date Received
05/14/2018

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	05/18/2018 07:30	05/18/2018 18:02	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
78-93-3	2-Butanone	1.79		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
67-64-1	Acetone	7.64	SCAL- E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
71-43-2	Benzene	0.470		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-15-0	Carbon disulfide	0.460		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

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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	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
95-47-6	o-Xylene	0.430		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
179601-23-1	p- & m- Xylenes	0.720		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-65-0	tert-Butyl alcohol (TBA)	9.63		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS



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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	05/18/2018 07:30	05/18/2018 18:02	RDS
108-88-3	Toluene	1.23		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
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	05/18/2018 07:30	05/18/2018 18:02	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
1330-20-7	Xylenes, Total	1.15		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 18:02	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	70-130								
2037-26-5	Surrogate: Toluene-d8	98.1 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	98.9 %	70-130								

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	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR



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100688801

Water

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05/14/2018

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
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
95-57-8	2-Chlorophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
95-48-7	2-Methylphenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
88-74-4	2-Nitroaniline	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
99-09-2	3-Nitroaniline	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR



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Semivolatiles, 8270 Comprehensive

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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
100-02-7	4-Nitrophenol	ND		ug/L	6.45	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
98-86-2	Acetophenone	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
62-53-3	Aniline	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
100-52-7	Benzaldehyde	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
92-87-5	Benzidine	ND		ug/L	6.45	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
65-85-0	Benzoic acid	ND		ug/L	32.3	64.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
100-51-6	Benzyl alcohol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.29	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
105-60-2	Caprolactam	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
86-74-8	Carbazole	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
132-64-9	Dibenzofuran	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
131-11-3	Dimethyl phthalate	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.45	12.9	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
78-59-1	Isophorone	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 4:15 pm

Date Received
05/14/2018

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
108-95-2	Phenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
110-86-1	Pyridine	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	41.3 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	28.5 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	73.9 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	68.0 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	101 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	59.3 %			30.7-106						

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
83-32-9	Acenaphthene	3.56		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
208-96-8	Acenaphthylene	0.0645		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
120-12-7	Anthracene	0.232		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
1912-24-9	Atrazine	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
56-55-3	Benzo(a)anthracene	0.271		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
50-32-8	Benzo(a)pyrene	0.284		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
205-99-2	Benzo(b)fluoranthene	0.297		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
191-24-2	Benzo(g,h,i)perylene	0.142		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
207-08-9	Benzo(k)fluoranthene	0.219		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
218-01-9	Chrysene	0.271		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
53-70-3	Dibenzo(a,h)anthracene	0.0645		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
206-44-0	Fluoranthene	0.761		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR



Sample Information

Client Sample ID: 060/LMW-2

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Matrix
Water

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May 14, 2018 4:15 pm

Date Received
05/14/2018

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
86-73-7	Fluorene	1.79		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0258	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
67-72-1	Hexachloroethane	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.142		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
91-20-3	Naphthalene	0.142		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
98-95-3	Nitrobenzene	ND		ug/L	0.323	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.323	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
85-01-8	Phenanthrene	0.426		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
129-00-0	Pyrene	0.439		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
57-74-9	Chlordane, total	ND		ug/L	0.0222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA



Sample Information

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York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

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May 14, 2018 4:15 pm

Date Received
05/14/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	61.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	41.0 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB



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May 14, 2018 4:15 pm

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Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 04:08	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	33.7 %					30-150			
2051-24-3	Surrogate: Decachlorobiphenyl	76.1 %					30-150			

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.0808		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-39-3	Barium	0.0858		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-70-2	Calcium	94.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-89-6	Iron	0.229		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-95-4	Magnesium	7.91		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-96-5	Manganese	1.73		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-09-7	Potassium	10.5	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML



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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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-23-5	Sodium	111	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-39-3	Barium	0.753		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-70-2	Calcium	260		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-50-8	Copper	0.00733		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-89-6	Iron	0.0823		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-95-4	Magnesium	49.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-96-5	Manganese	0.388		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-09-7	Potassium	41.3		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-23-5	Sodium	99.5		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 4:15 pm

Date Received

05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML

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 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-38-2	Arsenic	0.00614		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7782-49-2	Selenium	0.0185		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-28-0	Thallium	0.00318		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-38-2	Arsenic	0.00141		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7782-49-2	Selenium	0.0109		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 4:15 pm

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 16:26	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 12:37	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 09:29	05/15/2018 09:29	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Analytical Batch Summary

Batch ID: BE80760 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/15/18
18E0702-01	053/LMW-5	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-07	059/LMW-4	05/15/18
18E0702-07	059/LMW-4	05/15/18
18E0702-08	060/LMW-2	05/15/18
18E0702-08	060/LMW-2	05/15/18
BE80760-BLK1	Blank	05/15/18
BE80760-BLK2	Blank	05/15/18
BE80760-BS1	LCS	05/15/18
BE80760-BS2	LCS	05/15/18
BE80760-BSD1	LCS Dup	05/15/18
BE80760-BSD2	LCS Dup	05/15/18

Batch ID: BE80768 **Preparation Method:** Analysis Preparation **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-07	059/LMW-4	05/15/18
18E0702-08	060/LMW-2	05/15/18
BE80768-BLK1	Blank	05/15/18
BE80768-BS1	LCS	05/15/18
BE80768-DUP1	Duplicate	05/15/18
BE80768-MS1	Matrix Spike	05/15/18

Batch ID: BE80773 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-07	059/LMW-4	05/15/18



18E0702-08	060/LMW-2	05/15/18
BE80773-BLK1	Blank	05/15/18
BE80773-DUP1	Duplicate	05/15/18
BE80773-MS1	Matrix Spike	05/15/18
BE80773-SRM1	Reference	05/15/18

Batch ID: BE80831 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/16/18
18E0702-02	054/DUP-3	05/16/18
18E0702-03	055/LMW-6	05/16/18
18E0702-05	057/FB-2	05/16/18
18E0702-06	058/LMW-3	05/16/18
18E0702-07	059/LMW-4	05/16/18
18E0702-08	060/LMW-2	05/16/18
BE80831-BLK1	Blank	05/16/18
BE80831-BLK2	Blank	05/16/18
BE80831-BS1	LCS	05/16/18
BE80831-BS2	LCS	05/16/18
BE80831-BSD1	LCS Dup	05/16/18

Batch ID: BE80919 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/17/18
18E0702-02	054/DUP-3	05/17/18
18E0702-03	055/LMW-6	05/17/18
18E0702-05	057/FB-2	05/17/18
18E0702-06	058/LMW-3	05/17/18
18E0702-07	059/LMW-4	05/17/18
18E0702-08	060/LMW-2	05/17/18
BE80919-BLK1	Blank	05/17/18
BE80919-SRM1	Reference	05/17/18

Batch ID: BE80922 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/17/18
18E0702-02	054/DUP-3	05/17/18
18E0702-03	055/LMW-6	05/17/18
18E0702-05	057/FB-2	05/17/18
18E0702-06	058/LMW-3	05/17/18
18E0702-07	059/LMW-4	05/17/18
18E0702-08	060/LMW-2	05/17/18
BE80922-BLK1	Blank	05/17/18
BE80922-DUP1	Duplicate	05/17/18
BE80922-MS1	Matrix Spike	05/17/18

**Batch ID:** BE80923**Preparation Method:** EPA 3015A**Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/17/18
18E0702-02	054/DUP-3	05/17/18
18E0702-03	055/LMW-6	05/17/18
18E0702-05	057/FB-2	05/17/18
18E0702-06	058/LMW-3	05/17/18
18E0702-07	059/LMW-4	05/17/18
18E0702-08	060/LMW-2	05/17/18
BE80923-BLK1	Blank	05/17/18
BE80923-BS1	LCS	05/17/18

Batch ID: BE80978**Preparation Method:** EPA 5030B**Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/18/18
18E0702-02	054/DUP-3	05/18/18
18E0702-04	056/TB-5	05/18/18
18E0702-05	057/FB-2	05/18/18
18E0702-06	058/LMW-3	05/18/18
18E0702-07	059/LMW-4	05/18/18
18E0702-08	060/LMW-2	05/18/18
BE80978-BLK1	Blank	05/18/18
BE80978-BS1	LCS	05/18/18
BE80978-BSD1	LCS Dup	05/18/18

Batch ID: BE80993**Preparation Method:** EPA 3015A**Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/18/18
18E0702-02	054/DUP-3	05/18/18
18E0702-03	055/LMW-6	05/18/18
18E0702-05	057/FB-2	05/18/18
18E0702-06	058/LMW-3	05/18/18
18E0702-07	059/LMW-4	05/18/18
18E0702-08	060/LMW-2	05/18/18
BE80993-BLK1	Blank	05/18/18
BE80993-BS1	LCS	05/18/18
BE80993-DUP1	Duplicate	05/18/18
BE80993-MS1	Matrix Spike	05/18/18

Batch ID: BE80994**Preparation Method:** EPA 3015A**Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/18/18
18E0702-02	054/DUP-3	05/18/18
18E0702-03	055/LMW-6	05/18/18
18E0702-05	057/FB-2	05/18/18
18E0702-06	058/LMW-3	05/18/18



18E0702-07	059/LMW-4	05/18/18
18E0702-08	060/LMW-2	05/18/18
BE80994-BLK1	Blank	05/18/18
BE80994-BS1	LCS	05/18/18

Batch ID: BE81050 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-03	055/LMW-6	05/21/18
BE81050-BLK1	Blank	05/21/18
BE81050-BS1	LCS	05/21/18
BE81050-BSD1	LCS Dup	05/21/18

Batch ID: BE81087 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/21/18
18E0702-02	054/DUP-3	05/21/18
18E0702-03	055/LMW-6	05/21/18
18E0702-05	057/FB-2	05/21/18
18E0702-06	058/LMW-3	05/21/18
18E0702-07	059/LMW-4	05/21/18
18E0702-08	060/LMW-2	05/21/18



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 BE80978 - EPA 5030B											
Blank (BE80978-BLK1)										Prepared & Analyzed: 05/18/2018	
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80978 - EPA 5030B

Blank (BE80978-BLK1)

Prepared & Analyzed: 05/18/2018

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	2.00	"
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 Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: 1,2-Dichloroethane-d4

10.1

"

10.0

101

70-130

Surrogate: Toluene-d8

9.72

"

10.0

97.2

70-130

Surrogate: p-Bromofluorobenzene

10.3

"

10.0

103

70-130

LCS (BE80978-BS1)

Prepared & Analyzed: 05/18/2018

1,1,1,2-Tetrachloroethane	11.8	ug/L	10.0	118	82-126	30
1,1,1-Trichloroethane	10.1	"	10.0	101	70-130	20
1,1,2,2-Tetrachloroethane	10.5	"	10.0	105	70-130	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.27	"	10.0	72.7	70-130	20
1,1,2-Trichloroethane	9.50	"	10.0	95.0	70-130	20
1,1-Dichloroethane	10.3	"	10.0	103	70-130	20
1,1-Dichloroethylene	8.65	"	10.0	86.5	70-130	20
1,1-Dichloropropylene	9.55	"	10.0	95.5	83-133	30
1,2,3-Trichlorobenzene	9.89	"	10.0	98.9	70-130	20
1,2,3-Trichloropropane	9.76	"	10.0	97.6	77-128	30
1,2,4-Trichlorobenzene	9.80	"	10.0	98.0	70-130	20
1,2,4-Trimethylbenzene	9.86	"	10.0	98.6	82-132	20
1,2-Dibromo-3-chloropropane	10.1	"	10.0	101	40-160	20
1,2-Dibromoethane	9.98	"	10.0	99.8	70-130	20
1,2-Dichlorobenzene	9.82	"	10.0	98.2	70-130	20
1,2-Dichloroethane	10.5	"	10.0	105	70-130	20
1,2-Dichloropropane	9.32	"	10.0	93.2	70-130	20
1,3,5-Trimethylbenzene	9.57	"	10.0	95.7	80-131	30
1,3-Dichlorobenzene	10.2	"	10.0	102	70-130	20
1,3-Dichloropropane	9.66	"	10.0	96.6	81-125	30
1,4-Dichlorobenzene	9.50	"	10.0	95.0	70-130	20
1,4-Dioxane	93.7	"	210	44.6	40-160	20
2,2-Dichloropropane	10.7	"	10.0	107	56-150	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 BE80978 - EPA 5030B											
LCS (BE80978-BS1)						Prepared & Analyzed: 05/18/2018					
2-Butanone	9.48		ug/L	10.0		94.8	40-160			20	
2-Chlorotoluene	9.83		"	10.0		98.3	79-130			30	
2-Hexanone	8.60		"	10.0		86.0	40-160			20	
4-Chlorotoluene	9.41		"	10.0		94.1	79-128			30	
4-Methyl-2-pentanone	9.01		"	10.0		90.1	40-160			20	
Acetone	7.50		"	10.0		75.0	40-160			20	
Acrolein	6.26		"	10.0		62.6	10-153			30	
Acrylonitrile	9.87		"	10.0		98.7	51-150			30	
Benzene	10.4		"	10.0		104	70-130			20	
Bromobenzene	9.48		"	10.0		94.8	78-129			30	
Bromochloromethane	10.8		"	10.0		108	70-130			20	
Bromodichloromethane	9.85		"	10.0		98.5	70-130			20	
Bromoform	11.9		"	10.0		119	70-130			20	
Bromomethane	8.16		"	10.0		81.6	40-160			20	
Carbon disulfide	10.3		"	10.0		103	40-160			20	
Carbon tetrachloride	10.9		"	10.0		109	70-130			20	
Chlorobenzene	9.99		"	10.0		99.9	70-130			20	
Chloroethane	9.45		"	10.0		94.5	40-160			20	
Chloroform	10.0		"	10.0		100	70-130			20	
Chloromethane	8.42		"	10.0		84.2	40-160			20	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	70-130			20	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130			20	
Cyclohexane	9.00		"	10.0		90.0	70-130			20	
Dibromochloromethane	11.4		"	10.0		114	70-130			20	
Dibromomethane	9.39		"	10.0		93.9	72-134			30	
Dichlorodifluoromethane	7.51		"	10.0		75.1	40-160			20	
Ethyl Benzene	10.1		"	10.0		101	70-130			20	
Hexachlorobutadiene	7.91		"	10.0		79.1	67-146			30	
Isopropylbenzene	9.52		"	10.0		95.2	70-130			20	
Methyl acetate	9.89		"	10.0		98.9	70-130			20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130			20	
Methylcyclohexane	8.13		"	10.0		81.3	70-130			20	
Methylene chloride	10.5		"	10.0		105	70-130			20	
n-Butylbenzene	9.23		"	10.0		92.3	79-132			30	
n-Propylbenzene	9.64		"	10.0		96.4	78-133			30	
o-Xylene	9.92		"	10.0		99.2	70-130			20	
p- & m- Xylenes	20.1		"	20.0		101	70-130			20	
p-Isopropyltoluene	9.78		"	10.0		97.8	81-136			30	
sec-Butylbenzene	9.66		"	10.0		96.6	79-137			30	
Styrene	9.70		"	10.0		97.0	70-130			20	
tert-Butyl alcohol (TBA)	40.1		"	50.0		80.2	25-162			30	
tert-Butylbenzene	9.26		"	10.0		92.6	77-138			30	
Tetrachloroethylene	7.65		"	10.0		76.5	70-130			20	
Toluene	9.74		"	10.0		97.4	70-130			20	
trans-1,2-Dichloroethylene	9.69		"	10.0		96.9	70-130			20	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130			20	
Trichloroethylene	8.76		"	10.0		87.6	70-130			20	
Trichlorofluoromethane	8.63		"	10.0		86.3	40-160			20	
Vinyl Chloride	8.61		"	10.0		86.1	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	70-130				
Surrogate: Toluene-d8	9.59		"	10.0		95.9	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
Batch BE80978 - EPA 5030B											
LCS (BE80978-BS1)						Prepared & Analyzed: 05/18/2018					
Surrogate: <i>p</i> -Bromofluorobenzene	9.84		ug/L	10.0		98.4	70-130				
LCS Dup (BE80978-BSD1)						Prepared & Analyzed: 05/18/2018					
1,1,1,2-Tetrachloroethane	12.4		ug/L	10.0		124	82-126		5.04	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	70-130		13.5	20	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	70-130		1.33	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.14		"	10.0		91.4	70-130		22.8	20	Non-dir.
1,1,2-Trichloroethane	9.64		"	10.0		96.4	70-130		1.46	20	
1,1-Dichloroethane	11.0		"	10.0		110	70-130		6.85	20	
1,1-Dichloroethylene	10.3		"	10.0		103	70-130		17.1	20	
1,1-Dichloropropylene	11.0		"	10.0		110	83-133		13.9	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	70-130		4.83	20	
1,2,3-Trichloropropane	9.97		"	10.0		99.7	77-128		2.13	30	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70-130		5.46	20	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		10.3	20	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	40-160		4.16	20	
1,2-Dibromoethane	10.0		"	10.0		100	70-130		0.300	20	
1,2-Dichlorobenzene	10.3		"	10.0		103	70-130		4.87	20	
1,2-Dichloroethane	10.4		"	10.0		104	70-130		0.768	20	
1,2-Dichloropropane	9.83		"	10.0		98.3	70-130		5.33	20	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131		11.7	30	
1,3-Dichlorobenzene	10.9		"	10.0		109	70-130		7.03	20	
1,3-Dichloropropane	9.87		"	10.0		98.7	81-125		2.15	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	70-130		5.83	20	
1,4-Dioxane	119		"	210		56.8	40-160		24.1	20	Non-dir.
2,2-Dichloropropane	11.9		"	10.0		119	56-150		11.3	30	
2-Butanone	9.68		"	10.0		96.8	40-160		2.09	20	
2-Chlorotoluene	10.9		"	10.0		109	79-130		10.0	30	
2-Hexanone	8.89		"	10.0		88.9	40-160		3.32	20	
4-Chlorotoluene	10.2		"	10.0		102	79-128		8.55	30	
4-Methyl-2-pentanone	9.16		"	10.0		91.6	40-160		1.65	20	
Acetone	7.86		"	10.0		78.6	40-160		4.69	20	
Acrolein	6.87		"	10.0		68.7	10-153		9.29	30	
Acrylonitrile	9.73		"	10.0		97.3	51-150		1.43	30	
Benzene	11.1		"	10.0		111	70-130		6.51	20	
Bromobenzene	10.0		"	10.0		100	78-129		5.54	30	
Bromochloromethane	10.8		"	10.0		108	70-130		0.279	20	
Bromodichloromethane	10.4		"	10.0		104	70-130		5.05	20	
Bromoform	12.1		"	10.0		121	70-130		1.66	20	
Bromomethane	9.16		"	10.0		91.6	40-160		11.5	20	
Carbon disulfide	11.8		"	10.0		118	40-160		13.8	20	
Carbon tetrachloride	13.0		"	10.0		130	70-130		17.1	20	
Chlorobenzene	10.7		"	10.0		107	70-130		6.96	20	
Chloroethane	10.4		"	10.0		104	40-160		9.86	20	
Chloroform	10.5		"	10.0		105	70-130		4.66	20	
Chloromethane	9.17		"	10.0		91.7	40-160		8.53	20	
cis-1,2-Dichloroethylene	10.9		"	10.0		109	70-130		5.66	20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130		3.94	20	
Cyclohexane	10.8		"	10.0		108	70-130		18.6	20	
Dibromochloromethane	11.8		"	10.0		118	70-130		4.05	20	
Dibromomethane	9.60		"	10.0		96.0	72-134		2.21	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 BE80978 - EPA 5030B

LCS Dup (BE80978-BSD1)

Prepared & Analyzed: 05/18/2018

Dichlorodifluoromethane	9.13		ug/L	10.0		91.3	40-160		19.5	20	
Ethyl Benzene	11.2		"	10.0		112	70-130		10.3	20	
Hexachlorobutadiene	9.35		"	10.0		93.5	67-146		16.7	30	
Isopropylbenzene	11.0		"	10.0		110	70-130		14.2	20	
Methyl acetate	10.2		"	10.0		102	70-130		2.79	20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130		0.188	20	
Methylcyclohexane	10.0		"	10.0		100	70-130		20.6	20	Non-dir.
Methylene chloride	10.6		"	10.0		106	70-130		0.379	20	
n-Butylbenzene	10.7		"	10.0		107	79-132		14.4	30	
n-Propylbenzene	11.1		"	10.0		111	78-133		13.8	30	
o-Xylene	10.8		"	10.0		108	70-130		8.03	20	
p- & m- Xylenes	22.2		"	20.0		111	70-130		9.88	20	
p-Isopropyltoluene	11.3		"	10.0		113	81-136		14.5	30	
sec-Butylbenzene	11.3		"	10.0		113	79-137		15.9	30	
Styrene	10.3		"	10.0		103	70-130		6.00	20	
tert-Butyl alcohol (TBA)	47.0		"	50.0		94.1	25-162		15.9	30	
tert-Butylbenzene	10.7		"	10.0		107	77-138		14.5	30	
Tetrachloroethylene	8.91		"	10.0		89.1	70-130		15.2	20	
Toluene	10.8		"	10.0		108	70-130		10.0	20	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		9.35	20	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	70-130		2.74	20	
Trichloroethylene	9.96		"	10.0		99.6	70-130		12.8	20	
Trichlorofluoromethane	10.4		"	10.0		104	40-160		18.4	20	
Vinyl Chloride	10.1		"	10.0		101	70-130		15.9	20	
Surrogate: 1,2-Dichloroethane-d4	9.74		"	10.0		97.4	70-130				
Surrogate: Toluene-d8	9.76		"	10.0		97.6	70-130				
Surrogate: p-Bromofluorobenzene	9.97		"	10.0		99.7	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

Batch BE81050 - EPA 5030B

Blank (BE81050-BLK1)

Prepared & Analyzed: 05/21/2018

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	"
Hexachlorobutadiene	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 BE81050 - EPA 5030B

Blank (BE81050-BLK1)

Prepared & Analyzed: 05/21/2018

Isopropylbenzene	ND	0.500	ug/L								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	1.10	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	2.00	"								
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 Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	70-130				
Surrogate: Toluene-d8	9.65		"	10.0		96.5	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				

LCS (BE81050-BS1)

Prepared & Analyzed: 05/21/2018

1,1,1,2-Tetrachloroethane	12.3		ug/L	10.0		123	82-126			30	
1,1,1-Trichloroethane	11.2		"	10.0		112	70-130			20	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.76		"	10.0		77.6	70-130			20	
1,1,2-Trichloroethane	9.59		"	10.0		95.9	70-130			20	
1,1-Dichloroethane	10.7		"	10.0		107	70-130			20	
1,1-Dichloroethylene	8.71		"	10.0		87.1	70-130			20	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133			30	
1,2,3-Trichlorobenzene	9.68		"	10.0		96.8	70-130			20	
1,2,3-Trichloropropane	9.70		"	10.0		97.0	77-128			30	
1,2,4-Trichlorobenzene	9.65		"	10.0		96.5	70-130			20	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132			20	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	40-160			20	
1,2-Dibromoethane	10.0		"	10.0		100	70-130			20	
1,2-Dichlorobenzene	9.82		"	10.0		98.2	70-130			20	
1,2-Dichloroethane	10.5		"	10.0		105	70-130			20	
1,2-Dichloropropane	9.65		"	10.0		96.5	70-130			20	
1,3,5-Trimethylbenzene	9.93		"	10.0		99.3	80-131			30	
1,3-Dichlorobenzene	10.3		"	10.0		103	70-130			20	
1,3-Dichloropropane	9.81		"	10.0		98.1	81-125			30	
1,4-Dichlorobenzene	9.55		"	10.0		95.5	70-130			20	
1,4-Dioxane	101		"	210		48.1	40-160			20	
2,2-Dichloropropane	11.4		"	10.0		114	56-150			30	
2-Butanone	9.61		"	10.0		96.1	40-160			20	



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 BE81050 - EPA 5030B											
LCS (BE81050-BS1)						Prepared & Analyzed: 05/21/2018					
2-Chlorotoluene	10.1		ug/L	10.0		101	79-130			30	
2-Hexanone	8.76		"	10.0		87.6	40-160			20	
4-Chlorotoluene	9.50		"	10.0		95.0	79-128			30	
4-Methyl-2-pentanone	9.02		"	10.0		90.2	40-160			20	
Acetone	7.09		"	10.0		70.9	40-160			20	
Acrolein	5.94		"	10.0		59.4	10-153			30	
Acrylonitrile	9.95		"	10.0		99.5	51-150			30	
Benzene	10.8		"	10.0		108	70-130			20	
Bromobenzene	9.46		"	10.0		94.6	78-129			30	
Bromochloromethane	10.9		"	10.0		109	70-130			20	
Bromodichloromethane	10.1		"	10.0		101	70-130			20	
Bromoform	12.7		"	10.0		127	70-130			20	
Bromomethane	5.87		"	10.0		58.7	40-160			20	
Carbon disulfide	10.9		"	10.0		109	40-160			20	
Carbon tetrachloride	12.6		"	10.0		126	70-130			20	
Chlorobenzene	10.3		"	10.0		103	70-130			20	
Chloroethane	9.47		"	10.0		94.7	40-160			20	
Chloroform	10.3		"	10.0		103	70-130			20	
Chloromethane	7.21		"	10.0		72.1	40-160			20	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130			20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Cyclohexane	10.2		"	10.0		102	70-130			20	
Dibromochloromethane	11.9		"	10.0		119	70-130			20	
Dibromomethane	9.56		"	10.0		95.6	72-134			30	
Dichlorodifluoromethane	6.01		"	10.0		60.1	40-160			20	
Ethyl Benzene	10.7		"	10.0		107	70-130			20	
Hexachlorobutadiene	7.79		"	10.0		77.9	67-146			30	
Isopropylbenzene	10.1		"	10.0		101	70-130			20	
Methyl acetate	10.1		"	10.0		101	70-130			20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130			20	
Methylcyclohexane	9.15		"	10.0		91.5	70-130			20	
Methylene chloride	10.9		"	10.0		109	70-130			20	
n-Butylbenzene	9.69		"	10.0		96.9	79-132			30	
n-Propylbenzene	10.2		"	10.0		102	78-133			30	
o-Xylene	10.2		"	10.0		102	70-130			20	
p- & m- Xylenes	21.2		"	20.0		106	70-130			20	
p-Isopropyltoluene	10.4		"	10.0		104	81-136			30	
sec-Butylbenzene	10.4		"	10.0		104	79-137			30	
Styrene	9.96		"	10.0		99.6	70-130			20	
tert-Butyl alcohol (TBA)	44.7		"	50.0		89.5	25-162			30	
tert-Butylbenzene	9.83		"	10.0		98.3	77-138			30	
Tetrachloroethylene	8.49		"	10.0		84.9	70-130			20	
Toluene	10.3		"	10.0		103	70-130			20	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130			20	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Trichloroethylene	9.46		"	10.0		94.6	70-130			20	
Trichlorofluoromethane	9.51		"	10.0		95.1	40-160			20	
Vinyl Chloride	8.51		"	10.0		85.1	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	10.1		"	10.0		101	70-130				
Surrogate: Toluene-d8	9.59		"	10.0		95.9	70-130				
Surrogate: p-Bromofluorobenzene	9.73		"	10.0		97.3	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
Batch BE81050 - EPA 5030B											
LCS (BE81050-BS1)						Prepared & Analyzed: 05/21/2018					
LCS Dup (BE81050-BSD1)						Prepared & Analyzed: 05/21/2018					
1,1,1,2-Tetrachloroethane	12.4		ug/L	10.0		124	82-126		0.405	30	
1,1,1-Trichloroethane	10.8		"	10.0		108	70-130		4.00	20	
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	70-130		2.65	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.13		"	10.0		71.3	70-130		8.46	20	
1,1,2-Trichloroethane	9.88		"	10.0		98.8	70-130		2.98	20	
1,1-Dichloroethane	10.8		"	10.0		108	70-130		0.0931	20	
1,1-Dichloroethylene	7.05		"	10.0		70.5	70-130		21.1	20	Non-dir.
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		3.57	30	
1,2,3-Trichlorobenzene	9.68		"	10.0		96.8	70-130		0.00	20	
1,2,3-Trichloropropane	9.91		"	10.0		99.1	77-128		2.14	30	
1,2,4-Trichlorobenzene	9.66		"	10.0		96.6	70-130		0.104	20	
1,2,4-Trimethylbenzene	9.91		"	10.0		99.1	82-132		1.80	20	
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	40-160		2.91	20	
1,2-Dibromoethane	10.3		"	10.0		103	70-130		2.57	20	
1,2-Dichlorobenzene	9.82		"	10.0		98.2	70-130		0.00	20	
1,2-Dichloroethane	10.8		"	10.0		108	70-130		2.25	20	
1,2-Dichloropropane	9.62		"	10.0		96.2	70-130		0.311	20	
1,3,5-Trimethylbenzene	9.64		"	10.0		96.4	80-131		2.96	30	
1,3-Dichlorobenzene	10.1		"	10.0		101	70-130		1.87	20	
1,3-Dichloropropane	10.1		"	10.0		101	81-125		2.71	30	
1,4-Dichlorobenzene	9.56		"	10.0		95.6	70-130		0.105	20	
1,4-Dioxane	117		"	210		55.6	40-160		14.4	20	
2,2-Dichloropropane	10.9		"	10.0		109	56-150		4.58	30	
2-Butanone	9.91		"	10.0		99.1	40-160		3.07	20	
2-Chlorotoluene	9.84		"	10.0		98.4	79-130		2.61	30	
2-Hexanone	9.22		"	10.0		92.2	40-160		5.12	20	
4-Chlorotoluene	9.30		"	10.0		93.0	79-128		2.13	30	
4-Methyl-2-pentanone	9.57		"	10.0		95.7	40-160		5.92	20	
Acetone	7.56		"	10.0		75.6	40-160		6.42	20	
Acrolein	5.85		"	10.0		58.5	10-153		1.53	30	
Acrylonitrile	10.1		"	10.0		101	51-150		1.30	30	
Benzene	10.8		"	10.0		108	70-130		0.462	20	
Bromobenzene	9.38		"	10.0		93.8	78-129		0.849	30	
Bromochloromethane	11.1		"	10.0		111	70-130		1.64	20	
Bromodichloromethane	10.3		"	10.0		103	70-130		1.57	20	
Bromoform	13.0		"	10.0		130	70-130		2.88	20	
Bromomethane	5.99		"	10.0		59.9	40-160		2.02	20	
Carbon disulfide	10.4		"	10.0		104	40-160		4.31	20	
Carbon tetrachloride	12.1		"	10.0		121	70-130		3.90	20	
Chlorobenzene	10.3		"	10.0		103	70-130		0.388	20	
Chloroethane	9.15		"	10.0		91.5	40-160		3.44	20	
Chloroform	10.4		"	10.0		104	70-130		0.675	20	
Chloromethane	7.02		"	10.0		70.2	40-160		2.67	20	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		0.189	20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130		0.189	20	
Cyclohexane	9.66		"	10.0		96.6	70-130		5.14	20	
Dibromochloromethane	12.1		"	10.0		121	70-130		1.83	20	
Dibromomethane	9.76		"	10.0		97.6	72-134		2.07	30	
Dichlorodifluoromethane	5.66		"	10.0		56.6	40-160		6.00	20	



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 BE81050 - EPA 5030B

LCS Dup (BE81050-BSD1)

Prepared & Analyzed: 05/21/2018

Ethyl Benzene	10.6		ug/L	10.0		106	70-130		1.51	20
Hexachlorobutadiene	7.54		"	10.0		75.4	67-146		3.26	30
Isopropylbenzene	9.74		"	10.0		97.4	70-130		3.83	20
Methyl acetate	10.8		"	10.0		108	70-130		6.61	20
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130		5.42	20
Methylcyclohexane	8.64		"	10.0		86.4	70-130		5.73	20
Methylene chloride	11.0		"	10.0		110	70-130		0.183	20
n-Butylbenzene	9.33		"	10.0		93.3	79-132		3.79	30
n-Propylbenzene	9.87		"	10.0		98.7	78-133		3.78	30
o-Xylene	10.2		"	10.0		102	70-130		0.0977	20
p- & m- Xylenes	20.8		"	20.0		104	70-130		1.48	20
p-Isopropyltoluene	9.98		"	10.0		99.8	81-136		3.93	30
sec-Butylbenzene	9.94		"	10.0		99.4	79-137		4.43	30
Styrene	9.98		"	10.0		99.8	70-130		0.201	20
tert-Butyl alcohol (TBA)	50.2		"	50.0		100	25-162		11.6	30
tert-Butylbenzene	9.44		"	10.0		94.4	77-138		4.05	30
Tetrachloroethylene	8.08		"	10.0		80.8	70-130		4.95	20
Toluene	10.2		"	10.0		102	70-130		1.37	20
trans-1,2-Dichloroethylene	9.97		"	10.0		99.7	70-130		2.38	20
trans-1,3-Dichloropropylene	10.8		"	10.0		108	70-130		2.43	20
Trichloroethylene	9.20		"	10.0		92.0	70-130		2.79	20
Trichlorofluoromethane	8.93		"	10.0		89.3	40-160		6.29	20
Vinyl Chloride	7.98		"	10.0		79.8	70-130		6.43	20
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	70-130			
Surrogate: Toluene-d8	9.52		"	10.0		95.2	70-130			
Surrogate: p-Bromofluorobenzene	9.69		"	10.0		96.9	70-130			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80831 - EPA 3510C

Blank (BE80831-BLK1)

Prepared & Analyzed: 05/16/2018

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	50.0	"
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 BE80831 - EPA 3510C

Blank (BE80831-BLK1)

Prepared & Analyzed: 05/16/2018

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: 2-Fluorophenol	13.8		"	38.6		35.8	19.7-63.1				
Surrogate: Phenol-d5	8.41		"	38.1		22.1	10.1-41.7				
Surrogate: Nitrobenzene-d5	22.4		"	25.0		89.4	50.2-113				
Surrogate: 2-Fluorobiphenyl	19.9		"	24.9		80.0	39.9-105				
Surrogate: 2,4,6-Tribromophenol	42.9		"	39.2		109	39.3-151				
Surrogate: Terphenyl-d14	24.3		"	25.1		96.9	30.7-106				

Blank (BE80831-BLK2)

Prepared & Analyzed: 05/16/2018

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80831 - EPA 3510C											
LCS (BE80831-BS1)						Prepared & Analyzed: 05/16/2018					
1,1-Biphenyl	21.8	5.00	ug/L	25.0		87.3	33-95				
1,2,4,5-Tetrachlorobenzene	22.7	5.00	"	25.0		90.8	26-120				
1,2,4-Trichlorobenzene	23.8	5.00	"	25.0		95.1	20-118				
1,2-Dichlorobenzene	20.4	5.00	"	25.0		81.4	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	4.43	5.00	"	25.0		17.7	16-141				
1,3-Dichlorobenzene	20.1	5.00	"	25.0		80.4	23-117				
1,4-Dichlorobenzene	19.7	5.00	"	25.0		78.8	30-105				
2,3,4,6-Tetrachlorophenol	44.4	5.00	"	25.0		178	30-130	High Bias			
2,4,5-Trichlorophenol	25.5	5.00	"	25.0		102	32-114				
2,4,6-Trichlorophenol	24.1	5.00	"	25.0		96.5	35-118				
2,4-Dichlorophenol	25.8	5.00	"	25.0		103	25-116				
2,4-Dimethylphenol	23.5	5.00	"	25.0		94.0	15-116				
2,4-Dinitrophenol	33.0	5.00	"	25.0		132	10-170				
2,4-Dinitrotoluene	38.2	5.00	"	25.0		153	41-128	High Bias			
2,6-Dinitrotoluene	36.9	5.00	"	25.0		148	45-116	High Bias			
2-Chloronaphthalene	21.6	5.00	"	25.0		86.2	33-112				
2-Chlorophenol	19.8	5.00	"	25.0		79.0	15-120				
2-Methylnaphthalene	25.5	5.00	"	25.0		102	24-118				
2-Methylphenol	17.6	5.00	"	25.0		70.6	10-110				
2-Nitroaniline	30.6	5.00	"	25.0		122	34-129				
2-Nitrophenol	30.7	5.00	"	25.0		123	28-118	High Bias			
3- & 4-Methylphenols	14.2	5.00	"	25.0		57.0	10-107				
3,3-Dichlorobenzidine	26.9	5.00	"	25.0		107	15-187				
3-Nitroaniline	24.6	5.00	"	25.0		98.4	24-134				
4,6-Dinitro-2-methylphenol	38.1	5.00	"	25.0		153	10-153				
4-Bromophenyl phenyl ether	25.0	5.00	"	25.0		100	34-120				
4-Chloro-3-methylphenol	23.4	5.00	"	25.0		93.4	20-120				
4-Chloroaniline	17.2	5.00	"	25.0		68.8	10-147				
4-Chlorophenyl phenyl ether	25.0	5.00	"	25.0		100	27-121				
4-Nitroaniline	27.1	5.00	"	25.0		108	13-134				
4-Nitrophenol	7.06	5.00	"	25.0		28.2	10-131				
Acetophenone	20.1	5.00	"	25.0		80.3	25-110				
Aniline	9.88	5.00	"	25.0		39.5	10-117				
Benzaldehyde	20.8	5.00	"	25.0		83.4	29-117				
Benzoic acid	7.52	50.0	"	25.4		29.6	30-130	Low Bias			
Benzyl alcohol	13.4	5.00	"	25.0		53.7	10-117				
Benzyl butyl phthalate	29.9	5.00	"	25.0		120	29-133				
Bis(2-chloroethoxy)methane	20.6	5.00	"	25.0		82.6	10-154				
Bis(2-chloroethyl)ether	19.0	5.00	"	25.0		75.8	17-125				
Bis(2-chloroisopropyl)ether	16.4	5.00	"	25.0		65.5	10-139				
Caprolactam	4.08	5.00	"	25.0		16.3	10-137				
Carbazole	23.0	5.00	"	25.0		92.1	42-126				
Dibenzofuran	22.6	5.00	"	25.0		90.4	36-113				
Diethyl phthalate	23.6	5.00	"	25.0		94.3	38-115				
Dimethyl phthalate	24.3	5.00	"	25.0		97.2	38-129				
Di-n-butyl phthalate	23.5	5.00	"	25.0		94.0	31-120				
Di-n-octyl phthalate	23.3	5.00	"	25.0		93.2	21-149				
Hexachlorocyclopentadiene	15.4	10.0	"	25.0		61.6	10-130				
Isophorone	21.4	5.00	"	25.0		85.8	25-127				
N-nitroso-di-n-propylamine	18.6	5.00	"	25.0		74.2	26-122				
N-Nitrosodiphenylamine	26.3	5.00	"	25.0		105	23-149				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80831 - EPA 3510C

LCS (BE80831-BS1)

Prepared & Analyzed: 05/16/2018

Phenol	7.77	5.00	ug/L	25.0		31.1	10-110				
Pyridine	5.46	5.00	"	35.0		15.6	10-90				
Surrogate: 2-Fluorophenol	16.0		"	38.6		41.5	19.7-63.1				
Surrogate: Phenol-d5	10.2		"	38.1		26.8	10.1-41.7				
Surrogate: Nitrobenzene-d5	23.0		"	25.0		91.9	50.2-113				
Surrogate: 2-Fluorobiphenyl	21.0		"	24.9		84.3	39.9-105				
Surrogate: 2,4,6-Tribromophenol	47.6		"	39.2		121	39.3-151				
Surrogate: Terphenyl-d14	23.7		"	25.1		94.3	30.7-106				

LCS (BE80831-BS2)

Prepared & Analyzed: 05/16/2018

Acenaphthene	0.660	0.0500	ug/L	1.00		66.0	25-116				
Acenaphthylene	0.850	0.0500	"	1.00		85.0	26-116				
Anthracene	0.790	0.0500	"	1.00		79.0	25-123				
Benzo(a)anthracene	0.820	0.0500	"	1.00		82.0	33-125				
Benzo(a)pyrene	0.810	0.0500	"	1.00		81.0	32-132				
Benzo(b)fluoranthene	0.750	0.0500	"	1.00		75.0	22-137				
Benzo(g,h,i)perylene	0.830	0.0500	"	1.00		83.0	10-138				
Benzo(k)fluoranthene	0.680	0.0500	"	1.00		68.0	20-137				
Bis(2-ethylhexyl)phthalate	0.710	0.500	"	1.00		71.0	10-189				
Chrysene	0.630	0.0500	"	1.00		63.0	32-124				
Dibenzo(a,h)anthracene	0.810	0.0500	"	1.00		81.0	16-133				
Fluoranthene	0.850	0.0500	"	1.00		85.0	32-121				
Fluorene	0.770	0.0500	"	1.00		77.0	28-118				
Hexachlorobenzene	0.730	0.0200	"	1.00		73.0	23-124				
Hexachlorobutadiene	0.460	0.500	"	1.00		46.0	15-123				
Hexachloroethane	0.460	0.500	"	1.00		46.0	18-115				
Indeno(1,2,3-cd)pyrene	0.810	0.0500	"	1.00		81.0	15-135				
Naphthalene	0.650	0.0500	"	1.00		65.0	18-120				
Nitrobenzene	0.790	0.250	"	1.00		79.0	21-121				
N-Nitrosodimethylamine	0.190	0.500	"	1.00		19.0	10-124				
Pentachlorophenol	1.29	0.250	"	1.00		129	10-156				
Phenanthrene	0.700	0.0500	"	1.00		70.0	24-127				
Pyrene	0.670	0.0500	"	1.00		67.0	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 BE80831 - EPA 3510C											
LCS Dup (BE80831-BSD1)						Prepared & Analyzed: 05/16/2018					
1,1-Biphenyl	21.0	5.00	ug/L	25.0		84.1	33-95		3.78	20	
1,2,4,5-Tetrachlorobenzene	21.6	5.00	"	25.0		86.4	26-120		4.97	20	
1,2,4-Trichlorobenzene	23.5	5.00	"	25.0		94.1	20-118		1.10	20	
1,2-Dichlorobenzene	19.7	5.00	"	25.0		78.6	29-111		3.50	20	
1,2-Diphenylhydrazine (as Azobenzene)	4.17	5.00	"	25.0		16.7	16-141		6.05	20	
1,3-Dichlorobenzene	19.1	5.00	"	25.0		76.5	23-117		5.00	20	
1,4-Dichlorobenzene	18.9	5.00	"	25.0		75.6	30-105		4.04	20	
2,3,4,6-Tetrachlorophenol	43.2	5.00	"	25.0		173	30-130	High Bias	2.86	20	
2,4,5-Trichlorophenol	24.3	5.00	"	25.0		97.0	32-114		5.06	20	
2,4,6-Trichlorophenol	23.2	5.00	"	25.0		92.7	35-118		4.02	20	
2,4-Dichlorophenol	25.0	5.00	"	25.0		100	25-116		3.07	20	
2,4-Dimethylphenol	22.9	5.00	"	25.0		91.6	15-116		2.54	20	
2,4-Dinitrophenol	32.5	5.00	"	25.0		130	10-170		1.50	20	
2,4-Dinitrotoluene	36.1	5.00	"	25.0		144	41-128	High Bias	5.73	20	
2,6-Dinitrotoluene	34.8	5.00	"	25.0		139	45-116	High Bias	5.89	20	
2-Chloronaphthalene	20.6	5.00	"	25.0		82.5	33-112		4.41	20	
2-Chlorophenol	18.6	5.00	"	25.0		74.6	15-120		5.83	20	
2-Methylnaphthalene	24.6	5.00	"	25.0		98.4	24-118		3.56	20	
2-Methylphenol	16.7	5.00	"	25.0		66.8	10-110		5.53	20	
2-Nitroaniline	28.2	5.00	"	25.0		113	34-129		7.92	20	
2-Nitrophenol	29.3	5.00	"	25.0		117	28-118		4.73	20	
3- & 4-Methylphenols	13.5	5.00	"	25.0		54.0	10-107		5.41	20	
3,3-Dichlorobenzidine	26.3	5.00	"	25.0		105	15-187		2.26	20	
3-Nitroaniline	23.6	5.00	"	25.0		94.5	24-134		3.98	20	
4,6-Dinitro-2-methylphenol	37.0	5.00	"	25.0		148	10-153		3.09	20	
4-Bromophenyl phenyl ether	24.1	5.00	"	25.0		96.6	34-120		3.70	20	
4-Chloro-3-methylphenol	22.1	5.00	"	25.0		88.3	20-120		5.68	20	
4-Chloroaniline	16.6	5.00	"	25.0		66.3	10-147		3.61	20	
4-Chlorophenyl phenyl ether	23.8	5.00	"	25.0		95.2	27-121		5.00	20	
4-Nitroaniline	25.8	5.00	"	25.0		103	13-134		4.76	20	
4-Nitrophenol	7.41	5.00	"	25.0		29.6	10-131		4.84	20	
Acetophenone	18.9	5.00	"	25.0		75.6	25-110		5.95	20	
Aniline	10.0	5.00	"	25.0		40.2	10-117		1.61	20	
Benzaldehyde	19.4	5.00	"	25.0		77.6	29-117		7.26	20	
Benzoic acid	8.41	50.0	"	25.4		33.1	30-130		11.2	20	
Benzyl alcohol	12.3	5.00	"	25.0		49.1	10-117		8.87	20	
Benzyl butyl phthalate	27.6	5.00	"	25.0		111	29-133		7.92	20	
Bis(2-chloroethoxy)methane	20.2	5.00	"	25.0		80.8	10-154		2.20	20	
Bis(2-chloroethyl)ether	20.5	5.00	"	25.0		82.0	17-125		7.85	20	
Bis(2-chloroisopropyl)ether	15.6	5.00	"	25.0		62.6	10-139		4.62	20	
Caprolactam	3.88	5.00	"	25.0		15.5	10-137		5.03	20	
Carbazole	21.5	5.00	"	25.0		86.0	42-126		6.78	20	
Dibenzofuran	21.4	5.00	"	25.0		85.7	36-113		5.41	20	
Diethyl phthalate	22.1	5.00	"	25.0		88.5	38-115		6.34	20	
Dimethyl phthalate	22.6	5.00	"	25.0		90.2	38-129		7.51	20	
Di-n-butyl phthalate	22.1	5.00	"	25.0		88.3	31-120		6.23	20	
Di-n-octyl phthalate	21.4	5.00	"	25.0		85.6	21-149		8.55	20	
Hexachlorocyclopentadiene	15.2	10.0	"	25.0		60.8	10-130		1.37	20	
Isophorone	20.4	5.00	"	25.0		81.5	25-127		5.12	20	
N-nitroso-di-n-propylamine	17.8	5.00	"	25.0		71.1	26-122		4.35	20	
N-Nitrosodiphenylamine	24.8	5.00	"	25.0		99.2	23-149		5.68	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 BE80831 - EPA 3510C

LCS Dup (BE80831-BSD1)

Prepared & Analyzed: 05/16/2018

Phenol	7.36	5.00	ug/L	25.0		29.4	10-110		5.42	20
Pyridine	5.34	5.00	"	35.0		15.3	10-90		2.22	20
Surrogate: 2-Fluorophenol	15.1		"	38.6		39.1	19.7-63.1			
Surrogate: Phenol-d5	9.57		"	38.1		25.1	10.1-41.7			
Surrogate: Nitrobenzene-d5	22.6		"	25.0		90.4	50.2-113			
Surrogate: 2-Fluorobiphenyl	20.2		"	24.9		80.9	39.9-105			
Surrogate: 2,4,6-Tribromophenol	45.6		"	39.2		116	39.3-151			
Surrogate: Terphenyl-d14	22.2		"	25.1		88.5	30.7-106			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80760 - EPA SW846-3510C Low Level

Blank (BE80760-BLK1)

Prepared & Analyzed: 05/15/2018

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	"								
Chlordane, total	ND	0.0200	"								
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	"								
Surrogate: Decachlorobiphenyl	0.193		"	0.209		92.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.187		"	0.202		92.5	30-150				

LCS (BE80760-BS1)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.0969	0.00400	ug/L	0.100		96.9	40-140				
4,4'-DDE	0.0963	0.00400	"	0.100		96.3	40-140				
4,4'-DDT	0.0906	0.00400	"	0.100		90.6	40-140				
Aldrin	0.0930	0.00400	"	0.100		93.0	40-140				
alpha-BHC	0.0953	0.00400	"	0.100		95.3	40-140				
alpha-Chlordane	0.0856	0.00400	"	0.100		85.6	40-140				
beta-BHC	0.103	0.00400	"	0.100		103	40-140				
delta-BHC	0.104	0.00400	"	0.100		104	40-140				
Dieldrin	0.0919	0.00200	"	0.100		91.9	40-140				
Endosulfan I	0.0917	0.00400	"	0.100		91.7	40-140				
Endosulfan II	0.0903	0.00400	"	0.100		90.3	40-140				
Endosulfan sulfate	0.0936	0.00400	"	0.100		93.6	40-140				
Endrin	0.0883	0.00400	"	0.100		88.3	40-140				
Endrin aldehyde	0.0938	0.0100	"	0.100		93.8	40-140				
Endrin ketone	0.0966	0.0100	"	0.100		96.6	40-140				
gamma-BHC (Lindane)	0.0936	0.00400	"	0.100		93.6	40-140				
gamma-Chlordane	0.0830	0.0100	"	0.100		83.0	40-140				
Heptachlor	0.0810	0.00400	"	0.100		81.0	40-140				
Heptachlor epoxide	0.0838	0.00400	"	0.100		83.8	40-140				
Methoxychlor	0.0820	0.00400	"	0.100		82.0	40-140				
Surrogate: Decachlorobiphenyl	0.177		"	0.209		84.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.177		"	0.202		87.6	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80760 - EPA SW846-3510C Low Level

LCS Dup (BE80760-BSD1)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.118	0.00400	ug/L	0.100		118	40-140		19.7	20	
4,4'-DDE	0.109	0.00400	"	0.100		109	40-140		12.3	20	
4,4'-DDT	0.107	0.00400	"	0.100		107	40-140		16.9	20	
Aldrin	0.108	0.00400	"	0.100		108	40-140		14.5	20	
alpha-BHC	0.107	0.00400	"	0.100		107	40-140		11.4	20	
alpha-Chlordane	0.103	0.00400	"	0.100		103	40-140		18.9	20	
beta-BHC	0.115	0.00400	"	0.100		115	40-140		11.2	20	
delta-BHC	0.119	0.00400	"	0.100		119	40-140		13.0	20	
Dieldrin	0.109	0.00200	"	0.100		109	40-140		16.7	20	
Endosulfan I	0.103	0.00400	"	0.100		103	40-140		12.1	20	
Endosulfan II	0.110	0.00400	"	0.100		110	40-140		19.7	20	
Endosulfan sulfate	0.112	0.00400	"	0.100		112	40-140		17.6	20	
Endrin	0.107	0.00400	"	0.100		107	40-140		19.4	20	
Endrin aldehyde	0.112	0.0100	"	0.100		112	40-140		18.0	20	
Endrin ketone	0.115	0.0100	"	0.100		115	40-140		17.4	20	
gamma-BHC (Lindane)	0.107	0.00400	"	0.100		107	40-140		13.0	20	
gamma-Chlordane	0.101	0.0100	"	0.100		101	40-140		19.5	20	
Heptachlor	0.0954	0.00400	"	0.100		95.4	40-140		16.3	20	
Heptachlor epoxide	0.0997	0.00400	"	0.100		99.7	40-140		17.3	20	
Methoxychlor	0.0974	0.00400	"	0.100		97.4	40-140		17.1	20	
Surrogate: Decachlorobiphenyl	0.226		"	0.209		108	30-150				
Surrogate: Tetrachloro-m-xylene	0.193		"	0.202		95.5	30-150				

Batch Y8E0321 - BE80076

Performance Mix (Y8E0321-PEM1)

Prepared & Analyzed: 05/03/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.946		"	0.00			0-200				
4,4'-DDT	214		"	200		107	0-200				
Endrin	124		"	100		124	0-200				
Endrin aldehyde	1.48		"	0.00			0-200				
Endrin ketone	3.92		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8E1603 - BE80295

Performance Mix (Y8E1603-PEM1)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.71		"	0.00			0-200			
4,4'-DDT	191		"	200		95.7	0-200			
Endrin	122		"	100		122	0-200			
Endrin aldehyde	1.17		"	0.00			0-200			
Endrin ketone	6.97		"	0.00			0-200			

Performance Mix (Y8E1603-PEM2)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.98		"	0.00			0-200			
4,4'-DDT	232		"	200		116	0-200			
Endrin	137		"	100		137	0-200			
Endrin aldehyde	1.40		"	0.00			0-200			
Endrin ketone	6.84		"	0.00			0-200			

Batch Y8E1701 - BE80295

Performance Mix (Y8E1701-PEM1)

Prepared & Analyzed: 05/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.01		"	0.00			0-200			
4,4'-DDT	189		"	200		94.6	0-200			
Endrin	115		"	100		115	0-200			
Endrin aldehyde	1.37		"	0.00			0-200			
Endrin ketone	5.73		"	0.00			0-200			

Performance Mix (Y8E1701-PEM2)

Prepared & Analyzed: 05/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.08		"	0.00			0-200			
4,4'-DDT	215		"	200		108	0-200			
Endrin	124		"	100		124	0-200			
Endrin aldehyde	1.08		"	0.00			0-200			
Endrin ketone	6.17		"	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 BE80760 - EPA SW846-3510C Low Level

Blank (BE80760-BLK2)

Prepared & Analyzed: 05/15/2018

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	0.195		"	0.202		96.5	30-150				
Surrogate: Decachlorobiphenyl	0.160		"	0.209		76.6	30-150				

LCS (BE80760-BS2)

Prepared & Analyzed: 05/15/2018

Aroclor 1016	1.07	0.0500	ug/L	1.00		107	40-120			20	
Aroclor 1260	0.916	0.0500	"	1.00		91.6	40-120			20	
Surrogate: Tetrachloro-m-xylene	0.189		"	0.202		93.6	30-150				
Surrogate: Decachlorobiphenyl	0.158		"	0.209		75.6	30-150				

LCS Dup (BE80760-BSD2)

Prepared & Analyzed: 05/15/2018

Aroclor 1016	1.10	0.0500	ug/L	1.00		110	40-120		2.74	20	
Aroclor 1260	0.988	0.0500	"	1.00		98.8	40-120		7.63	20	
Surrogate: Tetrachloro-m-xylene	0.194		"	0.202		96.0	30-150				
Surrogate: Decachlorobiphenyl	0.173		"	0.209		82.8	30-150				



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

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

Batch BE80922 - EPA 3015A

Blank (BE80922-BLK1)

Prepared & Analyzed: 05/17/2018

Aluminum	ND	0.0556	mg/L
Barium	ND	0.0111	"
Calcium	ND	0.0556	"
Chromium	ND	0.00556	"
Cobalt	ND	0.00556	"
Copper	ND	0.00556	"
Iron	ND	0.0222	"
Lead	ND	0.00556	"
Magnesium	ND	0.0556	"
Manganese	ND	0.00556	"
Nickel	ND	0.00556	"
Potassium	0.197	0.0556	"
Silver	ND	0.00556	"
Sodium	0.322	0.111	"
Vanadium	ND	0.0111	"
Zinc	ND	0.0167	"

Duplicate (BE80922-DUP1)

*Source sample: 18E0702-01 (053/LMW-5)

Prepared: 05/17/2018 Analyzed: 05/18/2018

Aluminum	0.260	0.0556	mg/L	0.480	59.3	20	Non-dir.
Barium	0.497	0.0111	"	0.506	1.74	20	
Calcium	224	0.0556	"	225	0.338	20	
Chromium	ND	0.00556	"	ND		20	
Cobalt	ND	0.00556	"	ND		20	
Copper	0.00746	0.00556	"	0.00956	24.8	20	Non-dir.
Iron	32.5	0.0222	"	32.8	0.785	20	
Lead	0.0416	0.00556	"	0.0533	24.6	20	Non-dir.
Magnesium	23.2	0.0556	"	23.5	0.954	20	
Manganese	1.01	0.00556	"	1.03	2.52	20	
Nickel	ND	0.00556	"	ND		20	
Potassium	13.2	0.0556	"	13.8	4.84	20	
Silver	ND	0.00556	"	ND		20	
Sodium	25.9	0.111	"	25.9	0.114	20	
Vanadium	ND	0.0111	"	ND		20	
Zinc	0.0652	0.0167	"	0.0764	15.8	20	



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80922 - EPA 3015A

Matrix Spike (BE80922-MS1)		*Source sample: 18E0702-01 (053/LMW-5)						Prepared: 05/17/2018 Analyzed: 05/18/2018		
Barium	0.474	0.0111	mg/L	2.22	0.506	NR	75-125	Low Bias		
Chromium	ND	0.00556	"	0.222	ND		75-125	Low Bias		
Cobalt	ND	0.00556	"	0.556	ND		75-125	Low Bias		
Copper	ND	0.00556	"	0.278	0.00956	NR	75-125	Low Bias		
Iron	44.5	0.0222	"	1.11	32.8	NR	75-125	High Bias		
Lead	0.0140	0.00556	"	0.556	0.0533	NR	75-125	Low Bias		
Manganese	0.525	0.00556	"	0.556	1.03	NR	75-125	Low Bias		
Nickel	ND	0.00556	"	0.556	ND		75-125	Low Bias		
Silver	ND	0.00556	"	0.0556	ND		75-125	Low Bias		
Vanadium	ND	0.0111	"	0.556	ND		75-125	Low Bias		
Zinc	ND	0.0167	"	0.556	0.0764	NR	75-125	Low Bias		

Batch BE80993 - EPA 3015A

Blank (BE80993-BLK1)		Prepared: 05/18/2018 Analyzed: 05/21/2018								
Aluminum - Dissolved	ND	0.0556	mg/L							
Barium - Dissolved	ND	0.0111	"							
Calcium - Dissolved	ND	0.0556	"							
Chromium - Dissolved	ND	0.00556	"							
Cobalt - Dissolved	ND	0.00556	"							
Copper - Dissolved	ND	0.00556	"							
Iron - Dissolved	ND	0.0222	"							
Lead - Dissolved	ND	0.00556	"							
Magnesium - Dissolved	ND	0.0556	"							
Manganese - Dissolved	ND	0.00556	"							
Nickel - Dissolved	ND	0.00556	"							
Potassium - Dissolved	ND	0.0556	"							
Silver - Dissolved	ND	0.00556	"							
Sodium - Dissolved	ND	0.111	"							
Vanadium - Dissolved	ND	0.0111	"							
Zinc - Dissolved	ND	0.0167	"							



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 BE80993 - EPA 3015A

LCS (BE80993-BS1)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Aluminum - Dissolved	1.94		ug/mL	2.00		97.2	80-120				
Barium - Dissolved	2.03		"	2.00		101	80-120				
Calcium - Dissolved	1.01		"	1.00		101	80-120				
Chromium - Dissolved	0.210		"	0.200		105	80-120				
Cobalt - Dissolved	0.523		"	0.500		105	80-120				
Copper - Dissolved	0.252		"	0.250		101	80-120				
Iron - Dissolved	1.01		"	1.00		101	80-120				
Lead - Dissolved	0.508		"	0.500		102	80-120				
Magnesium - Dissolved	1.00		"	1.00		100	80-120				
Manganese - Dissolved	0.508		"	0.500		102	80-120				
Nickel - Dissolved	0.507		"	0.500		101	80-120				
Potassium - Dissolved	0.848		"	1.00		84.8	80-120				
Silver - Dissolved	0.0543		"	0.0500		109	80-120				
Sodium - Dissolved	1.07		"	1.00		107	80-120				
Vanadium - Dissolved	0.489		"	0.500		97.7	80-120				
Zinc - Dissolved	0.506		"	0.500		101	80-120				

Duplicate (BE80993-DUP1)

*Source sample: 18E0702-01 (053/LMW-5)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Aluminum - Dissolved	ND	0.0556	mg/L		ND					20	
Barium - Dissolved	0.372	0.0111	"		0.378				1.53	20	
Calcium - Dissolved	224	0.0556	"		224				0.0672	20	
Chromium - Dissolved	ND	0.00556	"		ND					20	
Cobalt - Dissolved	ND	0.00556	"		ND					20	
Copper - Dissolved	0.0108	0.00556	"		0.00556				64.0	20	Non-dir.
Iron - Dissolved	6.96	0.0222	"		7.00				0.542	20	
Lead - Dissolved	ND	0.00556	"		ND					20	
Magnesium - Dissolved	23.7	0.0556	"		23.9				1.08	20	
Manganese - Dissolved	1.02	0.00556	"		1.03				1.32	20	
Nickel - Dissolved	ND	0.00556	"		ND					20	
Potassium - Dissolved	13.5	0.0556	"		13.0				3.89	20	
Silver - Dissolved	ND	0.00556	"		ND					20	
Sodium - Dissolved	25.7	0.111	"		25.9				0.678	20	
Vanadium - Dissolved	ND	0.0111	"		ND					20	
Zinc - Dissolved	0.0184	0.0167	"		0.0225				20.4	20	Non-dir.



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

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

Batch BE80993 - EPA 3015A

Matrix Spike (BE80993-MS1)		*Source sample: 18E0702-01 (053/LMW-5)						Prepared: 05/18/2018 Analyzed: 05/21/2018			
Barium - Dissolved	2.53	0.0111	mg/L	2.22	0.378	96.9	75-125				
Chromium - Dissolved	0.228	0.00556	"	0.222	ND	102	75-125				
Cobalt - Dissolved	0.554	0.00556	"	0.556	ND	99.7	75-125				
Copper - Dissolved	0.280	0.00556	"	0.278	0.00556	98.8	75-125				
Iron - Dissolved	7.86	0.0222	"	1.11	7.00	77.6	75-125				
Lead - Dissolved	0.533	0.00556	"	0.556	ND	95.9	75-125				
Manganese - Dissolved	1.55	0.00556	"	0.556	1.03	93.1	75-125				
Nickel - Dissolved	0.549	0.00556	"	0.556	ND	98.8	75-125				
Silver - Dissolved	0.0575	0.00556	"	0.0556	ND	104	75-125				
Vanadium - Dissolved	0.534	0.0111	"	0.556	ND	96.1	75-125				
Zinc - Dissolved	0.560	0.0167	"	0.556	0.0225	96.8	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 BE80923 - EPA 3015A

Blank (BE80923-BLK1)

Prepared: 05/17/2018 Analyzed: 05/21/2018

Antimony	ND	0.00111	mg/L
Arsenic	ND	0.00111	"
Beryllium	ND	0.00111	"
Cadmium	ND	0.00111	"
Selenium	ND	0.00111	"
Thallium	ND	0.00111	"

LCS (BE80923-BS1)

Prepared: 05/17/2018 Analyzed: 05/21/2018

Antimony	38.2	ug/L	50.0	76.4	80-120	Low Bias
Arsenic	42.5	"	50.0	85.1	80-120	
Beryllium	46.6	"	50.0	93.2	80-120	
Cadmium	43.6	"	50.0	87.2	80-120	
Selenium	37.8	"	50.0	75.6	80-120	Low Bias
Thallium	50.2	"	50.0	100	80-120	

Batch BE80994 - EPA 3015A

Blank (BE80994-BLK1)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Antimony - Dissolved	ND	0.00111	mg/L
Arsenic - Dissolved	ND	0.00111	"
Beryllium - Dissolved	ND	0.00111	"
Cadmium - Dissolved	ND	0.00111	"
Selenium - Dissolved	ND	0.00111	"
Thallium - Dissolved	ND	0.00111	"

LCS (BE80994-BS1)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Antimony - Dissolved	39.3	ug/L	50.0	78.7	80-120	Low Bias
Arsenic - Dissolved	44.6	"	50.0	89.2	80-120	
Beryllium - Dissolved	45.9	"	50.0	91.8	80-120	
Cadmium - Dissolved	44.6	"	50.0	89.1	80-120	
Selenium - Dissolved	41.1	"	50.0	82.3	80-120	
Thallium - Dissolved	50.5	"	50.0	101	80-120	



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 BE80773 - EPA 7473 water

Blank (BE80773-BLK1)								Prepared & Analyzed: 05/15/2018			
Mercury	ND	0.00020	mg/L								
Duplicate (BE80773-DUP1)								*Source sample: 18E0702-08 (060/LMW-2)			
								Prepared & Analyzed: 05/15/2018			
Mercury	ND	0.00020	mg/L		ND					20	
Matrix Spike (BE80773-MS1)								*Source sample: 18E0702-08 (060/LMW-2)			
								Prepared & Analyzed: 05/15/2018			
Mercury	0.00895		mg/L	0.0100	0.00017	87.8	75-125				
Reference (BE80773-SRM1)								Prepared & Analyzed: 05/15/2018			
Mercury	0.00936		mg/L	0.0100		93.6	70-130				

Batch BE80919 - EPA 7473 water

Blank (BE80919-BLK1)								Prepared & Analyzed: 05/17/2018			
Mercury - Dissolved	ND	0.0002000	mg/L								
Reference (BE80919-SRM1)								Prepared & Analyzed: 05/17/2018			
Mercury - Dissolved	0.008140		mg/L	0.0100		81.4	70-130				



Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BE80768 - Analysis Preparation											
Blank (BE80768-BLK1)								Prepared & Analyzed: 05/15/2018			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BE80768-BS1)								Prepared & Analyzed: 05/15/2018			
Chromium, Hexavalent	0.460	0.0100	mg/L	0.500		92.0	80-120				
Duplicate (BE80768-DUP1)								Prepared & Analyzed: 05/15/2018			
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BE80768-MS1)								Prepared & Analyzed: 05/15/2018			
Chromium, Hexavalent	0.463	0.0100	mg/L	0.500	ND	92.6	75-125				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0702-01	053/LMW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-02	054/DUP-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-03	055/LMW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-04	056/TB-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-05	057/FB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-06	058/LMW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-07	059/LMW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-08	060/LMW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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.
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-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
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.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
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.



York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
clientservices@yorklab.com
www.yorklab.com

YORK
ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

YORK Project No.

18E0702

Page 1 of 1

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:		100688801		RUSH - Next Day	
Address:	300 Kimball Drive	Address:		Address:				RUSH - Two Day	
Phone:	Parishpenny NJ	Phone:		Phone:	SAME	YOUR Project Name		RUSH - Three Day	
Contact:	973 560 4900	Contact:		Contact:		CHRISTIAN CULTURAL Center		RUSH - Four Day	
E-mail:	A. Forsberg	E-mail:		E-mail:				Standard (5-7 Day)	

Report / EDD Type (circle selections)		YOUR PO#:		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	EQUIS (Standard)			
NY ASP A Package	NUDEP Reduced Deliverables	NYSDEC EQUIS			
NY ASP B Package	NUDKQP	NUDEP SRP HazSite			
Other:					

Sample Identification		Analysis Requested		Container Description	
053 LMN-5	GLW	5/14/18 0945	VOC, SVOC, PCB, PEST, TAL + DISS METAL, XCR	4 Amber, 3 plastic	
054 DUP-3	GLW	5/14/18 0950			
055 LMN-6	GLW	5/14/18 1205			
056 TB-5	AG	5/14/18 -	VOCs	2 VOA	
057 FB-2	AG	5/14/18 1130	VOC, SVOC, PCB, PEST, TAL + DISS METAL, XCR	4 Amber, 3 plastic	
058 LMN-4	GLW	5/14/18 1400			
059 LMN-4	GLW	5/14/18 1445			
060 LMN-2	GLW	5/14/18 1415			

Preservation: (check all that apply)		Special Instruction			
HCl	MeOH	HNO ₃	H ₂ SO ₄	NaOH	ZnAc
Ascorbic Acid	Other:				
Date/Time		Date/Time		Date/Time	
5/14/18 1600		5/14/18 1600		5/14/18 1916	
Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company	
Kwik-LANGLAN		Kwik-LANGLAN		Kwik-LANGLAN	
Date/Time		Date/Time		Date/Time	
5/14/18 1650		5/14/18 1650		5/14/18 1916	
Samples Received by / Company		Samples Received by / Company		Samples Received by / Company	
Kwik-LANGLAN		Kwik-LANGLAN		Kwik-LANGLAN	
Date/Time		Date/Time		Date/Time	
5/14/18 1650		5/14/18 1650		5/14/18 1916	
Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company	
Kwik-LANGLAN		Kwik-LANGLAN		Kwik-LANGLAN	
Date/Time		Date/Time		Date/Time	
5/14/18 1650		5/14/18 1650		5/14/18 1916	
Samples Received by / Company		Samples Received by / Company		Samples Received by / Company	
Kwik-LANGLAN		Kwik-LANGLAN		Kwik-LANGLAN	
Date/Time		Date/Time		Date/Time	
5/14/18 1650		5/14/18 1650		5/14/18 1916	
Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company	
Kwik-LANGLAN		Kwik-LANGLAN		Kwik-LANGLAN	
Date/Time		Date/Time		Date/Time	
5/14/18 1650		5/14/18 1650		5/14/18 1916	
Samples Received by / Company		Samples Received by / Company		Samples Received by / Company	
Kwik-LANGLAN		Kwik-LANGLAN		Kwik-LANGLAN	
Date/Time		Date/Time		Date/Time	
5/14/18 1650		5/14/18 1650		5/14/18 1916	
Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Received at Lab	
Kwik-LANGLAN		Kwik-LANGLAN		4.7	
Date/Time		Date/Time		Degrees C	
5/14/18 1650		5/14/18 1650			