

21 December 2017
Amended 25 May 2018

Draft

Mr. Bryan Kelly
Executive Vice President, Development
Gotham Organization
432 Park Avenue South, 2nd Floor
New York, NY 10016

**Re: Amended Phase II Environmental Site Investigation Report
Proposed Covenant House Redevelopment Site (the "Project")
460 West 41st Street
New York, New York
Langan Project No.: 100674401**

Dear Mr. Kelly:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) has prepared this letter report to amend the results of a Limited Phase II Environmental Investigation (Phase II EI) completed at the above referenced property for the purposes of due diligence in December 2017 with the results of a Supplemental Phase II EI completed in May 2018 in accordance with investigation requirements of E-Designation (E-137) for hazardous materials currently assigned to the subject property. The E-Designation (E-137) also includes noise mitigation requirements, which are being addressed separately. A site location map is provided as Figure 1. The following is a summary of the findings of this investigation.

Site Description

The site is an approximately 28,664-square-foot property located at Block 1050, Lots 1 and 61 and is currently occupied by the Covenant House New York facilities, which consists of three 3- to 8-story buildings (Buildings A through C) that share one interconnected below-grade cellar level. The approximately 2,740-square-foot northern portion of building C does not contain a basement level. Covenant House building A is located on the western side of the property along 10th Avenue between West 40th Street and the Covenant House parking lot; building B is located on the southeastern portion of the site along West 40th Street, and building C is located in the northeastern portion of the site and adjoins the Covenant House parking lot to the east building B to the north. A pedestrian walkway bisects the site from north to south between building A and buildings B and C. The current basement level of building A on the southwest portion of the subject property is approximately 15-feet below sidewalk level. The elevation of the basement level in building B could not be accurately determined; however, the current

basement floor slab in building B is assumed to be shallower than the basement floor slab in building A.

The site is bordered by 10th Avenue to the west, West 41st Street to the north, West 40th Street to the south, and the 2-story 454 West 41st Street building and 6-story 455 West 40th Street building to the east. New York City Transit (NYCT) 7 Line subway tunnels are located to the north of the site below West 41st Street.

As identified in the September 2015 Phase I ESA completed by TRC and confirmed via the completion of a geophysical survey as part of the December 2017 Limited Phase II EI, a 10,000-gallon fuel oil UST located on the western portion of the site is registered to the subject property, is currently in service and is properly registered in the NYSDEC Petroleum Bulk Storage (PBS) database under Site No. 2-610819. Two closed NYSDEC Spills cases are associated with the site. NYSDEC Spill No. 0404424 was reported in 2004 when a petroleum odor was detected while completing soil borings at the north-adjacent 7 Line Subway Extension site and the spill was administratively closed in 2005 after removal of impacted soil. NYSDEC Spill No. 0613314 was reported in 2006 when oil was observed floating on groundwater during building renovations and approximately 3,000-gallons of contaminated groundwater was removed from the site and the spill was administratively closed in 2009. The Phase I ESA also identified the potential presence of historic urban fill as a recognized environmental condition (REC) based on the dense development of the subject property and surrounding area since 1890.

Geological and Hydrogeological Conditions

Historical geotechnical investigations completed in 2003 by Parsons Brinckerhoff Quade & Douglas, Inc. at the NYCT 7 Line Extension project approximately on block to the north of the site identified a 3- to 10-foot thick layer of miscellaneous fill consisting of loose fine to coarse sand mixed with varying amounts of concrete, gravel, and asphalt. The fill layer was underlain by an 11- to 22-foot thick layer of native sands and silts. The top of competent quartz-feldspar biotite schist and granitic gneiss bedrock was encountered between 16- and 26-feet bsl.

Based on borings completed during the December 2017 Due Diligence Phase II EI and the May 2018 Supplemental Phase II EI, site stratigraphy below the asphalt parking lot on the northwestern portion of the subject property and below the northern portion of building C which does not have a basement level consists of an approximately 9- to 16-foot thick layer of historic fill underlain by an 8- to 15-foot thick silty sand unit followed by weathered mica schist rock. A clayey silt unit was encountered in LSB-14 from approximately 21-feet below street level to the depth of drilling refusal at approximately 25-feet below street level.

Groundwater was encountered between 16- and 18-feet below street level in soil borings completed in the parking lot and northern portion of building C.

Site stratigraphy below the basement level of buildings A and B and the southern portion of building C consists of approximately 2.5- to 6-feet of historic fill underlain by mica schist rock.

Drilling refusal on weathered rock was generally encountered at depths between 2.5- and 5.5-feet below the basement of building A, with the exception of LSB-9, where drilling refusal was encountered on weathered mica schist rock at approximately 9-feet below the basement floor slab. An approximately 3-foot thick layer of historic fill underlain by weathered rock was encountered in soil borings completed from the basement level of buildings B and C.

Phase II Environmental Investigation

For the purposes of due diligence, to determine if the above identified issues could potentially impact the proposed site redevelopment plans as well as to partially satisfy the NYCOER remedial investigation requirements a limited Phase II EI was completed in December 2017. The investigation activities included a geophysical survey, the installation of eleven soil borings, three temporary groundwater monitoring wells, and the collection of soil and groundwater samples for laboratory analysis. A Supplemental Phase II EI was completed between 25 April and 2 May 2018. Investigation activities included geophysical utility clearance in the vicinity of proposed soil boring locations, the installation of six soil borings, three temporary groundwater monitoring wells, seven soil vapor sampling points, and collection of soil, groundwater, and soil vapor samples for laboratory analysis.

Investigation activities during the 2017 Phase II EI and 2018 Supplemental Phase II EI were completed to determine if a release associated with the active 10,000-gallon UST has occurred, if subsurface impacts exist associated with historical site operations as gasoline filling stations and an automobile repair facility, and if subsurface impacts exist associated with the presence of historic fill.

Geophysical Survey

The geophysical survey was completed on 17 November 2017 by NAEVA Geophysical Inc. of Congers, New York using electromagnetic surveying equipment and ground penetrating radar (GPR). The purpose of the geophysical survey was to identify the location of the UST and any associated piping or ancillary equipment, to identify any other potential underground structures within the survey area, and to complete utility clearance at the proposed soil boring locations. The survey was completed throughout the entire street-level parking lot at the northwestern corner of the site and in a 10-foot radius around each proposed soil boring location within the basement.

The survey confirmed the presence of an approximately 36- by 9-foot metallic anomaly below the easternmost portion of the parking lot and immediately adjacent and to the west of Building C which is assumed to be the active 10,000-gallon fuel oil UST. One fuel oil fill port and one vent pipe were observed in the vicinity of the metallic anomaly and one remote fill port was observed in the West 41st Street sidewalk. The fill port was determined to be connected to the UST based on results of the electromagnetic survey. Fuel oil feed and return lines were traced from the UST to the northeastern corner of building A and were visually observed to run along

the cellar level ceiling to the main boiler room. Three other metallic anomalies were observed in the parking lot, but were inconsistent with typical size and shape characteristics of USTs.

Additional geophysical utility clearance was completed on 25 April 2018 by NOVA Geophysical Engineering Subsurface Mapping Solutions (NOVA) of Douglaston, New York using electromagnetic surveying equipment and GPR. Proposed soil boring, temporary groundwater monitoring well, and soil vapor sampling point locations in the northern portion of building C (slab-on-grade construction), basement level in buildings A and B, and the basement level in the southern portion of building C were investigated to complete utility clearance in a 10-foot radius around each location. Due to the reinforced concrete floor slab and visually observed potential utility conflicts (likely piping cleanout points) in the vicinity of LSB-15, soil investigation and sampling was completed using "soft-dig" techniques, specifically a hand auger to assure that no sub-slab utilities were disturbed during the investigation activities.

Soil Investigation Procedures and Field Observations

On 20 and 21 November 2017, eleven soil borings (LSB-1 through LSB-11) were completed to investigate soil conditions and assess the potential presence of impacts associated with the in-service UST and historical site operations. The borings were completed by Coastal Environmental Solutions, Inc. (Coastal) of Medford, New York. On 26 April to 1 May 2018 six soil borings (LSB-12 through LSB-16 and LSB-18) were completed to investigate soil conditions in the central and eastern portions of the subject property for the purposes of due diligence and to satisfy investigation requirements (as approved by the NYCOER in an email dated 13 April 2018) of the E-Designation (E-137) assigned to the subject property. The soil borings advanced as part of the 2018 Supplemental Phase II EI were completed by Aarco Environmental Services, Corp. (Aarco) of Lindenhurst, New York.

As part of the 2017 Phase II EI four soil borings were completed to between 20- and 23-feet below street level (bsl) in the parking lot with a track-mounted Geoprobe® 6610DT direct push drill rig. Two of these soil borings (LSB-3 and LSB-4) were completed in the eastern portion of the parking lot immediately to the west of the UST in the presumed regionally downgradient direction, and two (LSB-1 and LSB-2) were completed in the western portion of the parking lot in the area of the former gasoline filling station historically located at the intersection of West 41st Street and 10th Avenue. As part of the 2018 Supplemental Phase II EI, three soil borings (LSB-12 to LSB-14) were completed in the northern portion of building C to between 21- and 30-feet (bsl) with a limited access Geoprobe® 420M direct push drill rig.

Cellar slab depth varied throughout the site. Soil borings advanced in the southeastern portion of the site within the basement of building A (LSB-6 through LSB-9; LSB-15 and LSB-16) were installed at a depth that began approximately 15-feet bsl based on field measurements taken from a sidewalk hatch located on West 40th Street. LSB-15 was completed to a depth of approximately 3-feet below the basement floor slab using a hand auger due to sub-grade utilities in the vicinity of the proposed soil boring location. LSB-16 was completed to a depth of approximately 5.5-feet below the basement slab using a limited access Geoprobe® 420M

direct push drill rig. The depth of the cellar floor slab below street level could not be accurately determined at LSB-5, LSB-10, or LSB-11 advanced during the 2017 Phase II EI and LSB-18 advanced during the 2018 Supplemental Phase II EI due to conditions in building B; however, these locations are assumed to be shallower than the cellar floor slab in the southeastern portion of the site.

Five soil borings (LSB-6 through LSB-9 and LSB-11) were completed in the cellar during the 2017 Phase II EI using a limited access Geoprobe® 420M direct push drill rig and the remaining two soil borings (LSB-5 and LSB-10) were completed in the cellar using a limited access large bore sampler advanced with a pneumatic driver during the 2017 Phase II EI. Two of the 2017 Phase II EI soil borings (LSB-6 and LSB-7) were completed in the southwestern portion of the cellar in the area of the former gasoline filling station historically located along West 40th Street and two of the 2017 Phase II EI soil borings (LSB-8 and LSB-9) were completed in the southeastern portion of the cellar in the vicinity of the former automobile repair facility historically located along West 40th Street. The remainder of the 2017 Phase II EI soil borings (LSB-5, LSB-10, and LSB-11) were completed to assess overall subsurface conditions at the site. The soil borings LSB-5 through LSB-11 were completed from the current cellar floor slab, which corresponds to approximately 15-feet bsl at soil boring locations LSB-6 through LSB-9 as discussed above, to the depth of drilling refusal which ranged from 3- to 9-feet below the cellar floor slab.

In addition to soil borings LSB-12 through LSB-14, completed from street level in the northern portion of building C, three soil borings (LSB-15, LSB-16, and LSB-18) were completed from the basement level of buildings A and B during the 2018 Supplemental Phase II EI. Proposed soil boring LSB-17 could not be completed due to refusal on concrete foundation elements of the current site building. Soil borings LSB-15 and LSB-16 were completed from the basement level of building A to a depth of approximately 3-feet below the basement slab in LSB-15 and to approximately 5.5-feet below the basement slab in LSB-16, corresponding to between 18- and 20.5 feet below street level. Soil boring LSB-18 was completed to a depth of approximately 15-feet below the basement slab of building B. Drilling refusal on weathered mica schist rock was encountered in soil borings LSB-15 and LSB-16.

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

Continuous macrocore samples were collected to the bottom of each boring. Field screening of soil during sample collection for volatile organic compounds (VOCs) using a photo-ionization detector (PID) was completed during the installation of all eleven test borings and all soil samples were screened for visual or olfactory evidence of impacts. Elevated PID readings of up to 104 ppm above background, odors, and staining were detected in LSB-6 between 1- and 3-feet below the basement floor slab. Elevated PID readings of up to 6.2 ppm above background were detected in LSB-16 between 2- and 3-feet below the basement floor slab; however, odors and staining were not observed. Elevated PID readings and/or odor and staining

were not observed in any other soil borings completed as part of the 2017 Phase II EI or the 2018 Supplemental Phase II EI.

Eleven soil samples were collected for chemical analysis during the 2017 Phase II EI, and eleven soil samples were collected for chemical analysis during the 2018 Supplemental Phase II EI. Samples for laboratory analysis were collected from the interval exhibiting the highest level of impacts as determined by PID screening results and odors at soil boring location LSB-6 (1- to 3- feet below cellar slab). Soil samples were collected from the 15- to 17-foot bsl interval at LSB-1 through LSB-4 and from 0- to 2-feet below the cellar slab at LSB-9 to correspond to the depth interval immediately above the observed groundwater interface as no evidence of impacts was observed. Soil samples were collected from the 2-foot interval directly above the depth of drilling refusal in soil borings LSB-5, LSB-7, LSB-8, LSB-10, and LSB-11 as no evidence of contamination was observed and groundwater was not encountered in these soil borings. As part of the 2018 Supplemental Phase II EI, samples were collected from the 0- to 2-foot depth interval below street level, and from the 2-foot depth interval immediately above the observed groundwater interface in LSB-12 through LSB-14 as no evidence of impacts were observed. Due to low recovery volume and shallow depth of drilling refusal encountered in soil boring LSB-15, advanced from the basement level of building C, one soil sample was collected from the 1- to 3-foot depth interval, corresponding to the 2-foot interval directly above the depth of drilling refusal. Soil samples were collected from the 2-foot depth interval directly below the current basement floor slab and from the 2-foot depth interval immediately above the observed groundwater interface in soil borings LSB-16 and LSB-18.

Soil samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, CT for VOC, semi-volatile organic compound (SVOC), Target Analyte List (TAL) metals, and hexavalent chromium analysis. Soil samples collected during the 2018 Supplemental Phase II EI were also analyzed for pesticides and polychlorinated biphenyls (PCBs), with the exception of the soil sample collected from LSB-15, which was analyzed for pesticides and PCBs only, to supplement the analytical results of LSB-11, collected during the 2017 Phase II EI.

Soil Sampling Quality Assurance/Quality Control

All soil sampling devices were properly decontaminated according to NYSDEC and ASTM (ASTM D-5088-90) guidelines prior to each sampling location. Each macrocore was lined with a dedicated acetate liner prior to the collection of each 5-foot long soil sample collected in the use of the Geoprobe® 6610DT, or 3-foot long soil sample collected with the limited access drilling rigs. Soil samples were then placed in glass jars supplied by the laboratory. Soil samples collected for VOCs were obtained via a plunger calibrated to collect approximately 5 grams of soil and then placed in a vial that was preserved with methanol or distilled water.

Each soil sample was recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed, and were stored at a

maximum of 4° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

Quality assurance (trip blanks) and quality control samples (field blank and duplicate samples) were incorporated into the sampling event and consisted of one field blank, one duplicate sample, and one trip blank during the 2017 Phase II EI and one field blank, one duplicate sample and two trip blank samples during the 2018 Supplemental Phase II EI. The 2017 Phase II EI soil duplicate sample was analyzed for VOCs, SVOCs, TAL metals, and hexavalent chromium and the 2018 Supplemental Phase II EI duplicate sample was analyzed for VOCs, SVOCs, TAL Metals, hexavalent chromium, pesticides, and PCBs. The 2017 Phase II EI field blank sample was analyzed for VOCs and the 2018 Supplemental Phase II EI field blank sample was analyzed for VOCs, SVOCs, TAL Metals, hexavalent chromium, pesticides and PCBs. The trip blank samples were analyzed for VOCs only.

Ground Water Investigation and Field Observations

On 21 and 22 November 2017, three temporary groundwater monitoring wells (TW-1 through TW-3) were installed by a licensed well driller from Coastal. Monitoring wells were completed to depths ranging from 5.25- to 6-feet below the current cellar floor slab at TW-2 and TW-3 (corresponding to approximately 20.25- to 21-feet bsl), and at 23-feet bsl at TW-1. Temporary groundwater monitoring wells TW-2 and TW-3 were constructed with 6-feet of 1-inch diameter Schedule 40 PVC well screen and TW-1 was constructed with 10-feet of 1-inch diameter Schedule 40 PVC well screen and 15-feet of 1-inch diameter PVC riser. Between 26 April and 1 May 2018, four temporary groundwater monitoring wells (LTW-4 through LTW-7) were installed by a licensed well driller from Aarco. Monitoring wells were completed to depths ranging from 5- to 13.5-feet below the current cellar floor slab at LTW-6 and LTW-7 (corresponding to approximately 20-feet bsl in LTW-6). Due to building construction, the installation depth of LTW-7 installed in the cellar of building B could not be accurately determined; however, LTW-7 was installed to approximately 13.5-feet below the current cellar slab in building B. Temporary groundwater monitoring wells LTW-4 and LTW-5 were installed in the northern portion of building C to depths that ranged from 21- to 22-feet below street level. Temporary groundwater monitoring wells LTW-4, LTW-5, and LTW-7 were constructed with 10-feet of 1-inch diameter Schedule 40 PVC well screen and 1-inch diameter Schedule 40 PVC riser to grade. LTW-6 was constructed with 5-feet of 1-inch-diameter Schedule 40 PVC well screen to the cellar slab due to the shallow depth of drilling refusal encountered in soil boring LSB-16. Monitoring well locations were measured in the field from the nearest property boundary or mapped interior building feature and are shown on Figure 2.

Groundwater levels were measured prior to sampling with an oil/water interface probe. Light non-aqueous phase liquid (LNAPL) was not detected in any of the temporary groundwater monitoring wells and groundwater was measured to be approximately 16-feet bsl in monitoring well TW-1, 15.5-feet bsl in monitoring well LTW-4, and 15.25-feet bsl in monitoring well LTW-5 installed in the parking lot, at approximately 1-foot below the current basement floor slab in TW-

2 installed in the southeast portion of the site, at approximately 4.5-feet below the basement floor slab in TW-3, installed in the southwest portion of the site, at approximately 7-feet below the current basement floor slab in LTW-7 installed in the southeastern portion of the site, and at approximately 5-feet below the current basement floor slab in TW-6 installed in the central portion of the site. Based on variations in the basement slab elevations, a depth bsl could not be confirmed for the TW-2, TW-3, and LTW-7 locations. The groundwater level in LTW-6, measured to be approximately 5-feet below the current basement floor slab corresponds to a depth of approximately 20-feet below street level.

On 21 November 2017 two groundwater samples (TW-1 and TW-2) were collected for chemical analysis and on 2 May 2018, four groundwater samples (LTW-4 through LTW-7) were collected for chemical analysis via United States Environmental Protection Agency (USEPA) low-flow purging and sampling methods using dedicated polyethylene tubing and a 0.75-inch diameter submersible bladder pump with a dedicated polyethylene bladder at each location. Following initial purging in TW-3, groundwater recharge was not sufficient and a grab groundwater sample was collected via a dedicated polyethylene bailer. Due to a low recharge rate, following initial purging in LTW-4, the temporary groundwater monitoring well was pumped until dry; consequently, LTW-4 was pumped until dry three times prior to sample collection. Groundwater field parameters, including pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, temperature, and turbidity were measured during low-flow purging activities. Groundwater Field Sampling Logs are provided in Attachment B. No odors, evidence of sheen, or free product were observed during purging or sampling activities in any of the wells. A summary of groundwater analytical results is provided in Table 2. Low-flow groundwater sampling logs are provided in Attachment B and a complete laboratory data package is provided in Attachment C.

Groundwater samples collected from TW-1 and TW-2 were submitted to York for VOC, SVOC, TAL metals, and hexavalent chromium analysis; the groundwater sample collected from TW-3 was submitted to York for VOC analysis only due to insufficient sample volume. Groundwater samples collected from LTW-4, LTW-6, and LTW-7 were submitted to York for VOC, SVOC, total and dissolved TAL Metals, pesticides and PCBs. The groundwater sample collected from LTW-5 was submitted for analysis of pesticides, PCBs, and dissolved TAL metals to supplement analytical results of LTW-1, collected during the 2017 Phase II EI.

Groundwater Sampling Quality Assurance/Quality Control

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

Quality assurance (trip blanks) and quality control samples (field blank and duplicate samples) were incorporated into the sampling event and consisted of one field blank, one trip blank, and one duplicate sample for groundwater samples collected during the 2017 Phase II EI and one field blank, two trip blanks, and one duplicate sample for groundwater samples collected during the 2018 Supplemental Phase II EI. The groundwater field blank and duplicate samples for the 2017 Phase II EI were analyzed for VOCs, SVOCs, TAL metals, and hexavalent chromium. The groundwater field blank sample for the 2018 Supplemental Phase II EI was analyzed for VOCs, SVOCs, PCBs, pesticides, total and dissolved TAL metals, and hexavalent chromium. The groundwater duplicate sample collected for the 2018 Phase II EI was analyzed for dissolved TAL Metals, and hexavalent chromium to supplement the duplicate sample collected during the 2017 Phase II EI. The trip blank samples were analyzed for VOCs only.

Soil Vapor Investigation and Field Observations

Between 26 April and 2 May 2018, seven soil vapor sampling points (LSV-1 through LSV-7) were installed and eight soil vapor samples, including one duplicate sample, were collected for chemical analysis during the 2018 Supplemental Phase II SI. Soil vapor sampling locations are shown on Figure 2. Soil vapor sampling points were installed in the capillary fringe zone within 1-foot of the observed groundwater interface, or at the depth of drilling refusal as identified above. Soil vapor sampling logs are included in Attachment B. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

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

Each soil vapor sampling point was tightness tested using the helium tracer gas method and purged at a flow-rate of <200-ml per minute. No evidence of helium breakthrough (i.e., helium concentrations above 5%) was observed in any of the sample locations prior to sample collection. PID readings for VOCs ranging from 423 parts-per-billion (ppb) in LSV-4 to 12 parts-per-million (ppm) in LSV-6 were observed during field screening at each location.

Quality Assurance/Quality Control

Soil vapor samples were laboratory analyzed for VOCs via the USEPA TO-15 Method. Samples were collected in laboratory-cleaned and certified evacuated 6-Liter stainless steel summa canisters with regulators supplied by York. The regulators were set to collect each sample over a 2-hour sampling period (a flow rate of <200-ml per minute) as per USEPA soil vapor sampling guidance. Each soil vapor sample was numbered and recorded in a field log book. Samples were transferred to the laboratory immediately

after field sampling was completed, and stored at a maximum room temperature of 30° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

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

Laboratory Analytical Results

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 one exceedance of the NYSDEC Unrestricted Use SCOs for the VOC naphthalene (37.4 mg/kg) in the shallow sample collected from 1.5- to 3.5-feet below the cellar floor slab in LSB-18, located in the southeastern portion of the subject property.

As identified in detail below, SVOC exceedances of the NYSDEC Restricted Use SCOs were detected in shallow soil samples collected from the 0- to 2-foot depth interval below street level in LSB-12 and in the shallow 1.5- to 3.5-foot depth interval below the basement floor slab in LSB-18.

The SVOC 2-methylnaphthalene was detected at a concentration exceeding the NYSDEC Restricted Use SCO for Residential Use in LSB-18 (11.6 mg/kg).

Polyaromatic hydrocarbons (PAHs) typically associated with the presence of impacted historic fill were detected in both LSB-12 and LSB-18 at concentrations exceeding NYSDEC Restricted Use SCOs. These included:

- benzo(a)pyrene in both LSB-12 and LSB-18 (1.42 mg/kg – 27.5 mg/kg) which exceeded the NYSDEC Restricted Use SCO for Industrial Use;
- benzo(a)anthracene in LSB-12 (1.63 mg/kg) exceeding the NYSDEC Restricted Use SCO for Restricted Residential Use and in LSB-18 (31.4 mg/kg) exceeding the NYSDEC Restricted Use SCO for Industrial Use;
- benzo(b)fluoranthene in LSB-12 (1.14 mg/kg) exceeding the NYSDEC Restricted Use SCO for Restricted Residential Use and in LSB-18 (23.6 mg/kg) exceeding the NYSDEC Restricted Use SCO for Industrial Use;
- benzo(k)fluoranthene in LSB-12 (1.19 mg/kg) exceeding the NYSDEC Restricted Use SCO for Residential Use and in LSB-18 (22 mg/kg) exceeding the NYSDEC Restricted USE SCO for Restricted Residential Use;

- indeno(1,2,3-cd)pyrene in LSB-12 (0.762 mg/kg) and LSB-18 (14.1 mg/kg) exceeding the NYSDEC Restricted Use SCOs for Restricted Residential Use and Industrial Use, respectively;
- chrysene was detected in LSB-12 (1.54 mg/kg) exceeding the NYSDEC Restricted Use SCO for Residential Use and in LSB-18 (29.9 mg/kg) at exceeding the NYSDEC Restricted Use SCO for Restricted Residential Use;
- dibenzo(a,h)anthracene (5.57 mg/kg) and dibenzofuran (15.7 mg/kg) were detected in LSB-18 exceeding the NYSDEC Restricted Use SCOs for Industrial Use and Residential Use, respectively; and,
- Phenanthrene (120 mg/kg) was detected in LSB-18 exceeding the NYSDEC Restricted Use SCO for Restricted Residential Use and phenol (0.421 mg/kg) was detected in LSB-18 exceeding the NYSDEC Unrestricted Use SCO.

Pesticides were detected at concentrations exceeding the NYSDEC Unrestricted Use SCOs in shallow soil samples collected from LSB-13 and LSB-14 from the 0- to 2-foot depth interval below street level including 4,4'-DDE in LSB-14 (0.00398 mg/kg) and 4,4'-DDT (0.01 mg/kg – 0.0131 mg/kg) in both LSB-13 and LSB-14. 4,4'-DDT was also detected in LSB-14 from the 16- to 18-foot depth interval immediately above the observed groundwater table at a concentration of 0.00697 mg/kg, exceeding the NYSDEC Unrestricted Use SCO.

Total PCBs were detected in the shallow sample from LSB-13 (0.125 mg/kg) exceeding the NYSDEC Unrestricted Use SCO.

The metal selenium was detected at concentrations exceeding the Unrestricted Use SCO in all soil samples collected during the 2017 Phase II EI (4.2 mg/kg to 19.3 mg/kg) and iron was detected in exceedance of the Supplemental Restricted Residential SCO in all samples collected during both the 2017 Phase II EI and the 2018 Supplemental Phase II EI (4,820 mg/kg to 37,900 mg/kg).

Lead (79.7 mg/kg – 250 mg/kg), mercury (0.207 mg/kg to 0.435 mg/kg), and manganese (1,660 mg/kg) were detected at concentrations exceeding the NYSDEC Unrestricted Use SCOs in samples collected from LSB-2, LSB-5, LSB-6, LSB-8, LSB-12, LSB-13, LSB-14, LSB-16, and LSB-18. Copper (54 mg/kg – 83.3 mg/kg) was detected in the shallow sample from LSB-13 and the deep sample from LSB-18 and zinc (135 mg/kg – 301 mg/kg) was detected in LSB-12, LSB-13, LSB-14, LSB-16, and LSB-18 exceeding the NYSDEC Unrestricted Use SCOs. Lead (610 mg/kg) in the shallow sample from LSB-13 and mercury (2.5 mg/kg) in the deep sample from LSB-18 were detected exceeding the NYSDEC Restricted Use SCOs for Restricted Residential Use. Total chromium was detected in LSB-7 at a concentration of 38.2 mg/kg, exceeding the NYSDEC Restricted Residential SCO; however, hexavalent chromium was not detected in any of the soil samples analyzed.

Groundwater Analytical Results

All groundwater analytical results 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 were detected in exceedance of the NYSDEC GWQS with the exception of acetone in sample TW-3 at a concentration of 65.2 micrograms per liter ($\mu\text{g/l}$), chloroform in LTW-4 at a concentration of 12.10 $\mu\text{g/l}$, and naphthalene in LTW-7 at a concentration of 11.80 $\mu\text{g/l}$.

SVOCs were detected in groundwater at concentrations exceeding the GWQS including benzo(a)anthracene (0.07 $\mu\text{g/l}$ – 0.82 $\mu\text{g/l}$) in TW-2, LTW-4, LTW-6, and LTW-7, benzo(a)pyrene (0.0615 $\mu\text{g/l}$ – 0.78 $\mu\text{g/l}$) in TW-2 and LTW-4, benzo(b)fluoranthene (0.0385 $\mu\text{g/l}$ - 0.70 $\mu\text{g/l}$) in LTW-2 and LTW-4, benzo(k)fluoranthene (0.0385 $\mu\text{g/l}$ - 0.69 $\mu\text{g/l}$) in TW-2 and LTW-4, chrysene 0.07 $\mu\text{g/l}$ – 0.75 $\mu\text{g/l}$) in TW-2, LTW-4 and LTW-7, and indeno(1,2,3-cd)pyrene (0.41 $\mu\text{g/l}$) in LTW-4. Pesticides and PCBs were not detected at concentrations above the GWQS in any of the samples submitted for pesticides and PCB analysis.

Total metals were detected at concentrations exceeding the GWQS in groundwater samples TW-1 and TW-2 including barium (1,430 $\mu\text{g/l}$ – 1,930 $\mu\text{g/l}$), beryllium (4.81 $\mu\text{g/l}$ – 7.45 $\mu\text{g/l}$), and selenium (28.7 $\mu\text{g/l}$ – 38.6 $\mu\text{g/l}$). Additionally, exceedances of the GWQS were detected in groundwater samples TW-1, TW-2, LTW-4, LTW-6, and LTW-7 including iron (3,090 $\mu\text{g/l}$ – 257,000 $\mu\text{g/l}$), lead (30.7 $\mu\text{g/l}$ – 372 $\mu\text{g/l}$), manganese (934 $\mu\text{g/l}$ – 16,100 $\mu\text{g/l}$), and sodium (250,000 $\mu\text{g/l}$ – 1,270,000 $\mu\text{g/l}$). Total chromium was detected in TW-1 at a concentration of 95.2 $\mu\text{g/l}$ and magnesium was detected in TW-1 and LTW-7 at concentrations of 87,500 $\mu\text{g/l}$ and 37,400 $\mu\text{g/l}$, respectively, exceeding the GWQS.

Groundwater samples collected during the 2018 Supplemental Phase II EI were submitted for analysis of dissolved metals. Exceedances of the GWQS for dissolved metals included trivalent chromium (13.10 $\mu\text{g/l}$ – 24.60 $\mu\text{g/l}$) and iron (326 $\mu\text{g/l}$ – 5,870 $\mu\text{g/l}$) in LTW-4 and LTW-7, lead (372 $\mu\text{g/l}$) in LTW-4, magnesium (40,000 $\mu\text{g/l}$) in LTW-7, manganese (730 $\mu\text{g/l}$ – 4,320 $\mu\text{g/l}$) in LTW-6 and LTW-7, selenium (26.20 $\mu\text{g/l}$) in LTW-5, and sodium (111,000 $\mu\text{g/l}$ – 1,220,000 $\mu\text{g/l}$) in all groundwater samples collected during the 2018 Supplemental Phase II EI.

Soil Vapor Analytical Results

All soil vapor analytical results were compared to the NYSDOH 2003 Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes (Upper Fence Criteria), the United States Environmental Protection Agency (USEPA) Building Assessment and Survey Evaluation (BASE) Database using the Summa Canister Method, 90th Percentile Criteria, and/or the October 2006 NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York and Soil Vapor/Indoor Air decision matrices A through C, updated May 2017. A summary

of soil vapor analytical results is presented in Table 3, and laboratory analytical data packages are included in Attachment D.

For the purposes of this report, only compounds detected in soil vapor coinciding with the VOCs detected in groundwater and/or soil at the subject property and VOCs included on NYSDOH Soil Vapor / Indoor Air Decision Matrices A through C are considered for the potential vapor intrusion concern (pVIC). The following VOCs were detected in soil and/or groundwater at concentrations above the laboratory method reporting limits:

- Acetone;
- Benzene;
- Carbon Disulfide;
- Chloroform;
- 4-methyl-2-pentanone;
- Methyl Ethyl Ketone (MEK)/2-butanone;
- Methylene Chloride (also included on NYSDOH Decision Matrices); and,
- Toluene.

The following VOCs were detected in soil vapor and are listed in the NYSDOH Soil Vapor / Indoor Air Decision Matrices A through C:

- Carbon tetrachloride;
- 1,1-dichloroethene (DCE);
- Cis-1,2-DCE;
- Trichloroethene (TCE);
- Methylene chloride;
- Tetrachloroethene (PCE);
- 1,1,1-trichloroethane (TCA); and,
- Vinyl chloride.

Of the VOCs included in the NYSDOH Soil Vapor / Indoor Air Decision Matrices A through C, 1,1-DCE, cis-1,2-DCE, and vinyl chloride were not detected in any of the soil vapor samples at

concentrations above the laboratory method reporting limits. Carbon tetrachloride was detected in all soil vapor samples except LSV-7 (0.25 $\mu\text{g}/\text{m}^3$ – 1.2 $\mu\text{g}/\text{m}^3$), TCE (0.43 $\mu\text{g}/\text{m}^3$ – 5.3 $\mu\text{g}/\text{m}^3$) and PCE (4.8 $\mu\text{g}/\text{m}^3$ - 51 $\mu\text{g}/\text{m}^3$) were detected in all soil vapor samples, methylene chloride was detected in all soil vapor samples except LSV-1 (0.93 $\mu\text{g}/\text{m}^3$ - 25 $\mu\text{g}/\text{m}^3$), and 1,1,1-TCA was detected in LSV-5 and LSV-7 (1.1 $\mu\text{g}/\text{m}^3$ – 1.2 $\mu\text{g}/\text{m}^3$).

Comparison of these VOCs to the applicable NYSDOH Soil Vapor / Indoor Air Decision Matrix revealed that concentrations of VOCs in soil vapor at the subject property are below the guidance criteria that would require additional investigation, monitoring, or mitigation actions.

Of the VOCs detected in soil and/or groundwater at the site, but not included on NYSDOH Soil Vapor / Indoor Air Decision Matrices A through C, acetone (8.3 $\mu\text{g}/\text{m}^3$ – 130 $\mu\text{g}/\text{m}^3$), 2-butanone (3.8 $\mu\text{g}/\text{m}^3$ - 35 $\mu\text{g}/\text{m}^3$), benzene (1.4 $\mu\text{g}/\text{m}^3$ - 67 $\mu\text{g}/\text{m}^3$), carbon disulfide (0.59 $\mu\text{g}/\text{m}^3$ – 590 $\mu\text{g}/\text{m}^3$), chloroform (1.6 $\mu\text{g}/\text{m}^3$ – 47 $\mu\text{g}/\text{m}^3$), and toluene (16 $\mu\text{g}/\text{m}^3$ - 73 $\mu\text{g}/\text{m}^3$) were detected in all soil vapor samples. Additionally, 4-methyl-2-pentanone (2.1 $\mu\text{g}/\text{m}^3$ – 33 $\mu\text{g}/\text{m}^3$) was detected in all soil vapor samples collected except for LSV-5.

Conclusions and Recommendations

Based on the results of the 2017 Phase II EI and 2018 Supplemental Phase II EI, the presence of a the active 10,000-gallon fuel oil UST and suspected piping has been confirmed in the eastern portion of the parking lot, west of building C. However, no impacts associated with the presence and active use of this tank were observed in the two borings placed in the vicinity of it.

Odors, staining, and elevated PID readings were observed in one soil boring, from 1- to 3-feet below the cellar slab in LSB-6, which is located in the southwestern portion of the site in the vicinity of the former gasoline filling station on West 40th Street. Slightly elevated PID readings (up to 6.2 ppm) were observed from the 2- to 3-foot depth interval below the cellar slab in soil boring LSB-16, located in the central portion of the site, east of the former gasoline filling station.

Laboratory analytical results did not identify VOCs or SVOCs in soil at concentrations above the NYSDEC Unrestricted Use SCOs in any of the samples collected during the 2017 Phase II EI. However soil samples collected from the 0- to 2-foot depth interval below street level in LSB-12, located in the northeast portion of building C, and from the 1.5- to 3.5-foot depth interval below the basement floor slab in LSB-18, located in the southern portion of building B detected PAHs at concentrations above the Restricted Use SCOs for Restricted Residential, Commercial, and/or Industrial site use including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene in both LSB-12 and LSB-18. Additionally, the PAHs benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and phenanthrene were detected in LSB-18 exceeding the Restricted Use SCOs for Restricted Residential, Commercial, and/or Industrial site use. These compounds were also detected in groundwater samples collected

from these locations (LTW-4 and LTW-7) as discussed below. These detections are likely attributed to the historic fill identified below the current site building.

The VOC naphthalene was detected in soil at LSB-18 exceeding the Restricted Use SCOs for Residential Use and was also detected in groundwater at this location in LTW-7 at a concentration of 11.80 µg/l exceeding the GWQS. Chloroform was detected in groundwater in LTW-4 at the northeast portion of the site and acetone, a common laboratory artifact, was reported in the groundwater sample TW-3 collected from LSB-6 at concentrations above the NYSDEC GWQS.

The polycyclic aromatic hydrocarbons (PAHs) benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene and chrysene were detected in the groundwater sample TW-2 at concentrations above the GWQS. These PAHs are commonly associated with the presence of historic fill were detected in the corresponding soil sample collected from within the historic fill layer at the TW-2 boring location (LSB-9), although at concentrations below the NYSDEC Unrestricted Use SCOs. These compounds were also detected in soil samples collected from within the historic fill layer in LSB-12 on the northeast portion of the site and LSB-18 in the southeast portion of the site at concentrations exceeding the NYSDEC Restricted Use SCOs. Groundwater samples collected from LTW-4 (installed in LSB-12) and LTW-7 (installed in LSB-18) also detected PAHs at concentrations exceeding the GWQS. The groundwater sample collected from LTW-6 detected benzo(a)anthracene at concentrations exceeding the GWQS; however, the corresponding soil sample at this location (LSB-16) detected benzo(a)anthracene at a concentration below the NYSDEC Unrestricted Use SCOs.

The metals barium, beryllium, iron, lead, manganese, selenium, and sodium were reported in groundwater samples collected from both TW-1 and TW-2 at concentrations above the GWQS; additionally, total chromium and magnesium were reported in TW-1 at concentrations above the GWQS. All of the metals reported in the 2017 Phase II EI groundwater samples at concentrations above the GWQS were also detected in their corresponding soil samples (LSB-4 and LSB-9) with the exception of beryllium; however, these compounds were not reported above the SCOs with the exception of iron and selenium. Soil samples collected from soil borings LSB-4 and LSB-9 were both collected from the historic fill layer at the 2-foot interval directly above the observed groundwater interface in each boring. Total metals iron, lead, manganese and sodium were detected in LTW-4, LTW-6, and LTW-7 at concentrations above the GWQS; total magnesium and total arsenic were reported in LTW-7 only at concentrations above the GWQS. Iron and lead were also detected in the corresponding soil samples collected from LSB-12, LSB-16, and LSB-18 at concentrations exceeding the NYSDEC Restricted Use SCOs for Residential Use in LSB-12 and LSB-18.

VOCs detected in soil and/or groundwater that were also detected in soil vapor included acetone, benzene, carbon disulfide, chloroform, 4-methyl-2-pentanone, MEK/2-butanone, methylene chloride, and toluene. Additionally, VOCs detected in soil vapor that are included in the NYSDOH Soil Vapor/Indoor Air Decision Matrices A through C include carbon tetrachloride, 1,1-DCE, cis-1,2-DCE, TCE, methylene chloride, PCE, 1,1,1-TCA and vinyl chloride. None of

these VOCs were detected at concentrations that require additional investigation, monitoring, or mitigation according to the *NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006*. The low-level concentrations of these VOCs in soil vapor are likely attributed to low-level groundwater impacts and are not indicative of a significant release related to the 10,000-gallon UST currently in service, or historic site use as a gasoline filling station.

Based on the soil groundwater and soil vapor analytical results, subsurface impacts from the 10,000-gallon fuel oil UST and historical site operations were not identified. Removal of the UST will be required as part of site redevelopment. The presence of historic fill (and associated metals and PAH compounds detected at concentrations above regulatory criteria) will require special handling and disposal requirements during disturbance of this material during future site work.

Based on limited soil and groundwater analytical result exceedances identified and the current site conditions and proposed redevelopment scenario, the site does not appear to be a viable NYSDEC Brownfield Cleanup Program (BCP) candidate. As the site has an E-Designation for Hazardous Materials, submission of a Remedial Investigation (RI) Report and a Remedial Action Work Plan (RAWP) is required by the NYCOER. The E-Designated requires that NYCOER approve a remedial action work plan and prepare a Notice to Proceed letter for submission to the NYC Department of Buildings to allowing for issuance of a New Building or Foundation Only Permit. The basis for the RAWP will be the results from this Amended Phase II EI, which will be incorporated into a formal Remedial Investigation Report to be submitted to the NYCOER. The conclusions of the remedial investigation report will identify low-level concentrations of VOCs in soil vapor and the presence of historic fill characterized by elevated concentrations of PAHs and metals in soil and groundwater.

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 additional regulatory reporting.

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

Chris McMahon, CHMM
Associate

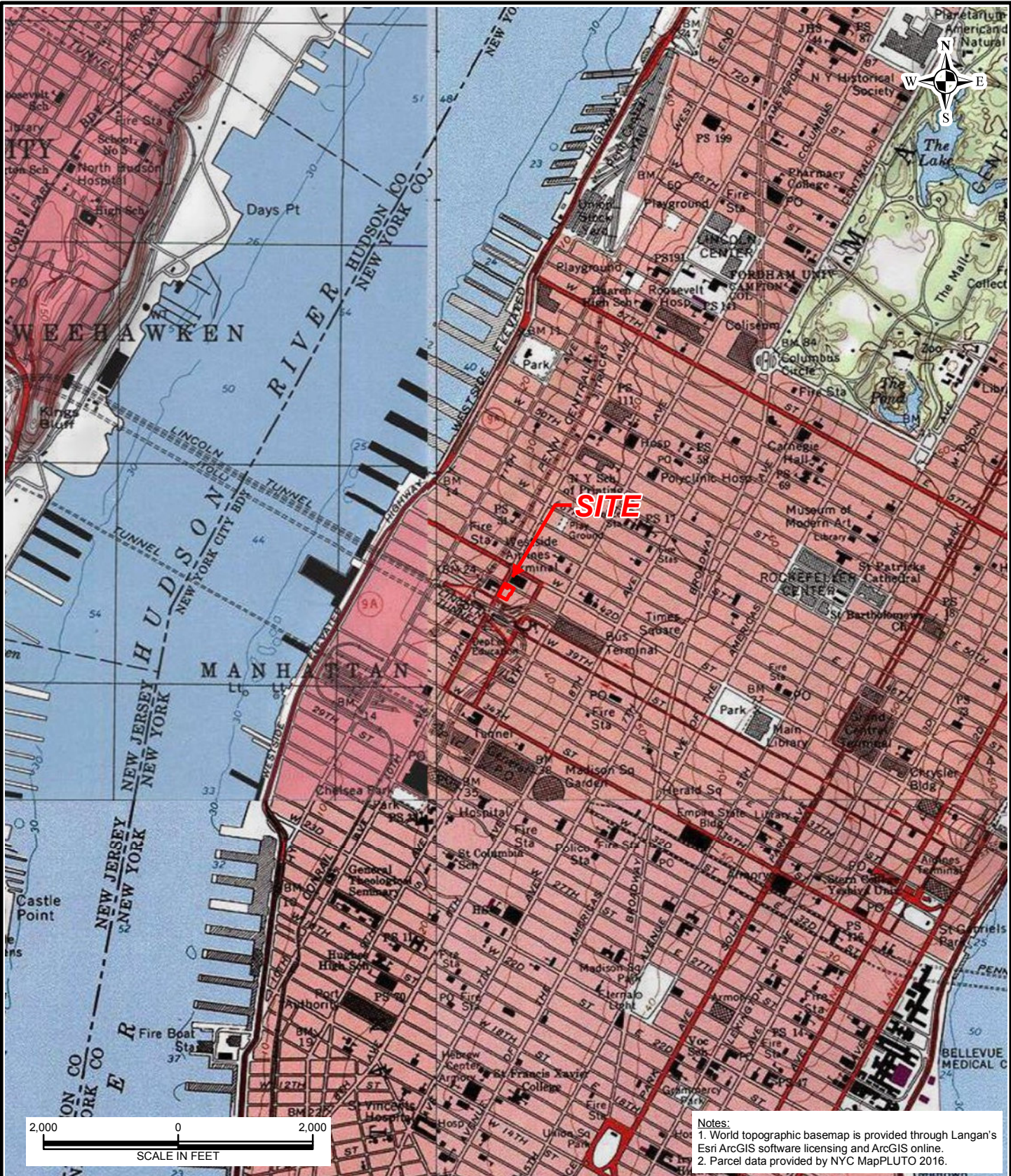
Steven A. Ciambuschini, PG, LEP
Principal / Vice President

CM:SAC:kn
Attachments: Tables 1, 2 and 3
Figures 1 and 2

\\langan.com\data\PAR\data4\100674401\Project Data_Discipline\Environmental\Reports\2018-05 - Amended Phase II ESI Report\Amended Phase II
Subsurface Investigation Letter Report (DRAFT 2018-05).docx

TABLES

FIGURES



LANGAN

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

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

COVENANT HOUSE

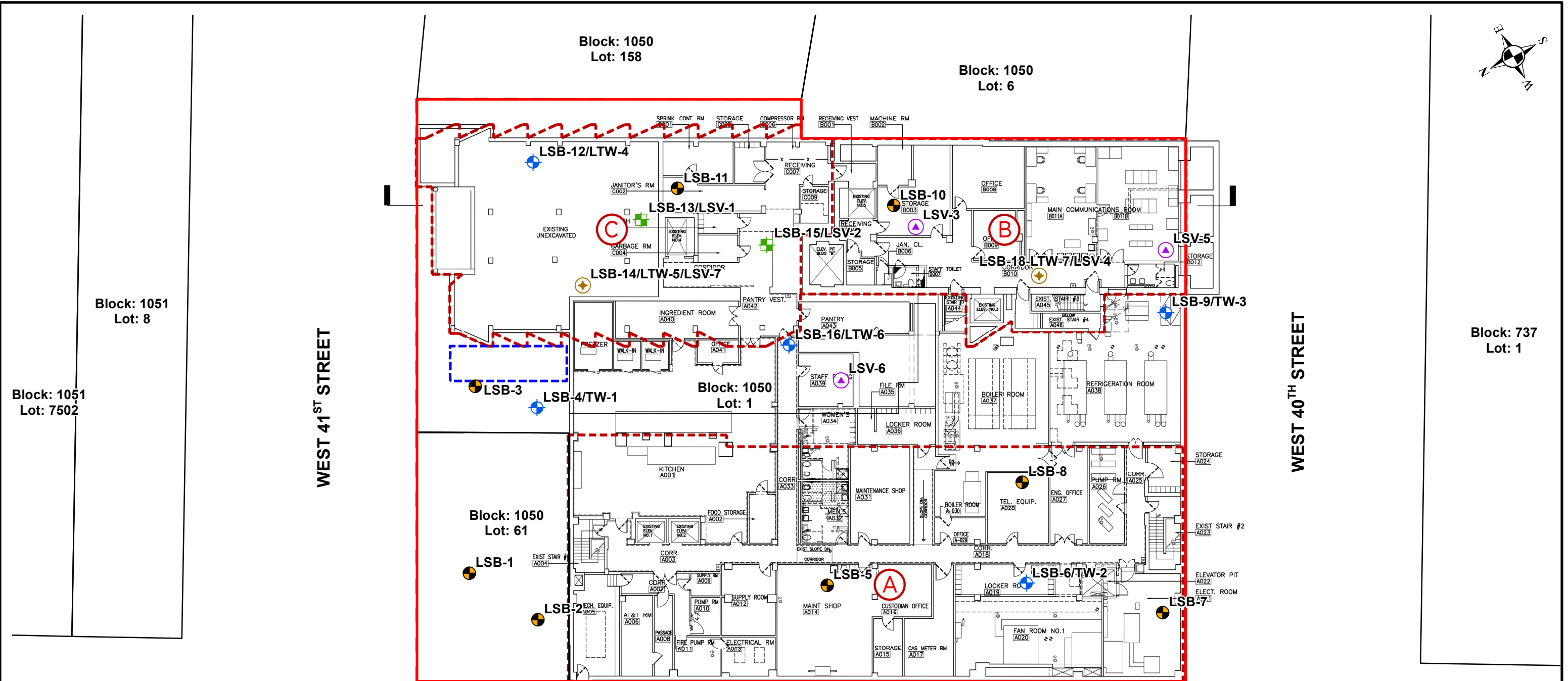
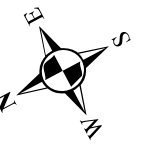
BLOCK No. 1050, LOT No. 1 & 61
MANHATTAN

NEW YORK COUNTY NEW YORK

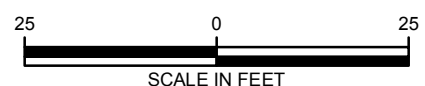
SITE LOCATION MAP

Project No.
100674401
Date
12/8/2017
Scale
1"=2,000'
Drawn By
JR
Submission Date
12/8/2017

Figure
1



- Legend**
- Langan Soil Boring Location
 - Langan Soil Boring/Soil Vapor Sampling Point Location
 - Langan Soil Boring/Temporary Well Point/Soil Vapor Sampling Point Location
 - Langan Soil Boring/Temporary Well Point Location
 - Langan Soil Vapor Sampling Point Location
 - Suspected Underground Storage Tank Location
 - Site Boundary
 - Building Outline
 - Tax Lot/Block Boundary



Notes:

- Property boundary digitized from basemap and measurements provided on the New York City Digital Tax Map maintained online by the Department of Finance
- Building layout imagery provided in Covenant House Building Massing & Stacking, 8 May 2017, by F X Fowle, Denham, Wolf.
- Soil boring and temporary monitoring well locations based on field measurements collected during site investigation.
- Suspect UST Location based on results of Geophysical Survey conducted by Naeva Geophysics, Inc. on 17 November 2017.

 River Drive Center 1, 619 River Drive Elmwood Park, NJ 07407-1338 T: 201.794.6900 F: 201.794.0366 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 COVENANT HOUSE BLOCK No. 150, LOT No. 1 & 61 MANHATTAN NEW YORK COUNTY NEW YORK	Drawing Title SAMPLE LOCATION PLAN	Project No. 100674401	Figure 2
	Date 12/6/2017	Scale 1"=25'	Drawn By JR	

ATTACHMENT A

SOIL BORING LOGS

LANGAN

LOG OF BORING

LSB-1

SHEET 1 OF 2

PROJECT COVENANT HOUSE			PROJECT NO. 100674401		
LOCATION 460 W. 41st ST			ELEVATION AND DATUM VEL +24' NAVD 88		
DRILLING AGENCY COASTAL ENVIRONMENTAL			DATE STARTED 11/20/17		DATE FINISHED 11/20/17
DRILLING EQUIPMENT Geoprobe 6610 DT			COMPLETION DEPTH 26'		ROCK DEPTH NA
SIZE AND TYPE OF BIT 2 1/2" DIA x 5' L MAEROCORE			NO. SAMPLES	DIST. —	UNDIST. 4'
CASING 2 1/2" DIA x 5' L MAEROCORE			WATER LEVEL	FIRST 17.5'	COMPL. —
CASING HAMMER	WEIGHT —	DROP —	FOREMAN COASTAL/MARK MORGENSEN		
SAMPLER 2" DIA x 5' L ACETATE LINED MAEROCORE			LOGGED BY LANGAN/MATT OLESKE		
SAMPLER HAMMER	WEIGHT —	DROP —			

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOVER FT.	PENETR. RESIST. BLG IN. (10 PER)	
0-15"	4" ASPHALT PAVEMENT. Dark Br f→C SAND, tr. Asphalt, tr. f→m Gravel, tr. Plastic Debris (dry).	1	DIRECT PUSH	32"	0.0	
15-32"	M. Br f→C SAND, some Concrete, tr. f→m Gravel.	1	DIRECT PUSH	32"	0.0	
0-9"	Cored through Red BRICK.	2	DIRECT PUSH	27"	0.0	
9-27"	Lt to M. Br f→C SAND, some Red Brick, tr. f→m Gravel, tr. Concrete. (DRY).	2	DIRECT PUSH	27"	0.0	
0-24"	Lt. to M. Br f→C SAND, tr. f→M Gravel, tr. weathered Mica Schist, tr. Red Brick, tr. brown Silt. (Dry).	3	DIRECT PUSH	24"	0.0	
15						

LANGAN

JOB NO. 100674401

LOG OF BORING NO.

DATE 11/20/17

SHEET 2 OF 2

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	REC. FT.	PENETR. RESIST. BL/BLV. <i>pid ppm.</i>	
0-16" Grayish Brown Silty SAND, tr. Red Brick (moist).	16	4	Direct Push	29"	0.0	Collect Sample LSB-1 (15-17') VOC @ 16.5-17'
16-29" Same as above 0-16" (WET).	17					
	18					
	19					
	20					END of boring @ 20' bgs.
	21					
	22					
	23					
	24					
	25					

PROJECT COVENANT HOUSE			PROJECT NO. 100674461		
LOCATION 460 W. 41st ST			ELEVATION AND DATUM VEL +24' NAVD 88		
DRILLING AGENCY COASTAL ENVIRONMENTAL			DATE STARTED 11/28/17		DATE FINISHED 11/20/17
DRILLING EQUIPMENT Geoprobe 6610 DT			COMPLETION DEPTH 20'		ROCK DEPTH NA
SIZE AND TYPE OF BIT 2 1/8" DIA x 5' L MACROCORE			NO. SAMPLES	DIST. -	UNDIST. 4
CASING 2 1/8" DIA x 5' L MACROCORE			WATER LEVEL	FIRST 17.5	COMPL. -
CASING HAMMER	WEIGHT -	DROP -	FOREMAN COASTAL / MARK MORGENSTERN		
SAMPLER 2" DIA x 5' L ACETATE LINED MACROCORE			LOGGED BY LANGAN / MATT OLESKE		
SAMPLER HAMMER	WEIGHT -	DROP -			

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLU/IN.	
0-7"	Dark Br. f→C SAND, tr. f→m Gravel, tr. Red Brick, tr. Asphalt. (DRY).	1	DIRECT PUSH	28"	0.0	(P10) (P11)
7-28"	Gray/L Brown f→C SAND, some f→C Gravel, tr. Red Brick, tr. Concrete. (DRY).	1	DIRECT PUSH	28"	0.0	
0-18"	Br. f→C SAND, some Red Brick, tr. f→m Gravel, tr. weathered Mica Schist Rock. (DRY).	2	DIRECT PUSH	18"	0.0	
0-10"	Brown f→C SAND, tr. Br Silt, tr. f→M Gravel, tr. Red Brick.	3	DIRECT PUSH	24"	0.0	
10-12"	Weathered Mica SCHIST					
12-24"	Lt to M. Br f→C SAND, some Gray Silt, tr. f→m Gravel (DRY).	3	DIRECT PUSH	24"	0.0	
14						
15						

LANGAN

JOB NO. 100674401

LOG OF BORING NO. LSB-2

DATE 11/20/17

SHEET 2 OF 2

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/REV.	
0-16" Grayish Brown Silty SAND, tr. f → m Gravel (moist).	16					collect Sample LSB-2(15-17') VOC @ 16-16.5'
16-37" Same as above 0-16" (WET).	17	4	DIRECT PUSH	37"	0.0	
	18					E.O.B. @ 20' bgs.
	19					
	20					
	21					
	22					
	23					
	24					
	25					

PHD
(PPM)

214

PROJECT COVENANT HOUSE			PROJECT NO. 100674401		
LOCATION 460 W. 41st ST			ELEVATION AND DATUM NEL +24' NAVD 88		
DRILLING AGENCY COASTAL ENVIRONMENTAL			DATE STARTED 11/20/17		DATE FINISHED 11/20/17
DRILLING EQUIPMENT Geoprobe 6610 DT			COMPLETION DEPTH 20'		ROCK DEPTH NA
SIZE AND TYPE OF BIT 2 1/2" DIA x 5' L INTERCORE			NO. SAMPLES	DIST. —	UNDIST. 4
CASING 2 1/2" DIA x 5' L MAEROCORE			WATER LEVEL	FIRST 17.5'	COMPL. —
CASING HAMMER	WEIGHT —	DROP —	FOREMAN COASTAL / MARK MORGENSTERN		
SAMPLER 2" DIA x 5' L ACETATE LINED MAEROCORE			LOGGED BY LANGAN / MATT OLESKE		
SAMPLER HAMMER	WEIGHT —	DROP —			

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOG.	TYPE	RECOVER. FT.	PENETR. RESIST. BLUEN.	
5" ASPHALT PAVEMENT.	0-5"					
0-9" CONCRETE, some f-c Gravel.	0-9"					
9-20" Lt to M. Br f-c SAND, tr. Asphalt, tr. Red Brick. (DRY).	9-20"	1	DIRECT PUSH	20"	0.0	
0-11" Grayish Brown f-c SAND, some Red Brick, tr. Concrete, tr. f-m Gravel (DRY).	0-11"					
11-25" Lt. to M. Br. f-c SAND, tr. f-m Gravel, tr. Red Brick, tr. Asphalt, tr. Concrete (DRY).	11-25"	2	DIRECT PUSH	25"	0.0	
0-17" M. Brown Silty SAND, tr. f-m Gravel, tr. Red Brick,	0-17"					
17-26" Grayish Brown Silty SAND, tr. f-m Gravel, tr. weathered Mica Schist Rock, (DRY).	17-26"	3	DIRECT PUSH	26"	0.0	

LANGAN

JOB NO. 100674401

LOG OF BORING NO. LSB-3

DATE 11/20/17

SHEET 2 OF 2

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/6 IN. (ppm)	
0-16" Grayish Brown Silty SAND, tr. f-m Gravel (moist)	16	4	DIRECT PUSH	28"	0.0	Collect Sample LSB-3 (15-17) VOC @ 16.5-17'
16-28" Same as above 0-16" (WET)	17					
	18					
	19					
	20					E.O.B. @ 20' bgs.
	21					
	22					
	23					
	24					
	25					

PROJECT COVENANT HOUSE			PROJECT NO. 100674401		
LOCATION 460 W. 41st ST			ELEVATION AND DATUM VEL +24' NAVD 88		
DRILLING AGENCY COASTAL ENVIRONMENTAL			DATE STARTED 11/20/17		DATE FINISHED 11/20/17
DRILLING EQUIPMENT Geoprobe 6610 DT			COMPLETION DEPTH 23'		ROCK DEPTH NA
SIZE AND TYPE OF BIT 2 1/8" DIA x 5' L MACROCORE			NO. SAMPLES	DIST. -	UNDIST. 5
CASING 2 1/8" DIA x 5' L MACROCORE			WATER LEVEL	FIRST 17.5'	COMPL. -
CASING HAMMER	WEIGHT -	DROP -	FOREMAN COASTAL / MARK MORGENSTERN		
SAMPLER 2" DIA x 5' L ACETATE LINED MACROCORE			LOGGED BY LANGAN / MATT OLESKE		
SAMPLER HAMMER	WEIGHT -	DROP -			

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/BLW. (PID (RPM))	
0-14"	6" ASPHALT PAVEMENT. 0-14" CONCRETE, some F→C Gravel.	1	DIRECT PUSH	24"	0.0	
14-24"	Lt to M. Br F→C SAND, tr. f→M Gravel, tr. Red Brick, (DRY).					
0-9"	Lt. to M. Br. F→C SAND, tr. Asphalt, tr. Red Brick, tr. Concrete.					
9-19"	M br. F→C SAND, tr. Br. Silt, tr. Concrete, tr. Red Brick, tr. f→M Gravel (Dry).	2	DIRECT PUSH	19"	0.0	
0-7"	Lt. to M. Br. F→C SAND, Some Red Brick, tr. f→M. Gravel.					
7-24"	Grayish Brown f→C SAND, tr. Gray Silt, tr. f→m Gravel, tr. Red Brick (DRY).	3	DIRECT PUSH	24"	0.0	

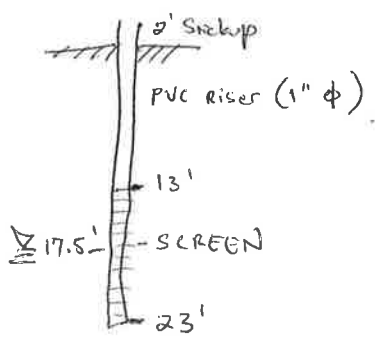
LANGAN

JOB NO. 10067401

LOG OF BORING NO. LSB-4

DATE 11/20/17

SHEET 2 OF 2

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 IN.	
0-16" Grayish Brown Silty SAND, tr. f→M Gravel (moist)	16					Collect Sample LSB-4(15-17) VOC @ 16.5-17'
16-40" Grayish Brown Silty SAND, tr. f→M Gravel, tr. Wood, tr. Red Brick (WET).	17 18	4	DIRECT PUSH	40"	0.0	
0-22" Same as above 16-40" (WET).	20 21 22	5	DIRECT PUSH	22"	0.0	E.O.B @ 23' bgs. 5' below observed DTW. Install 1" dia PVC Temp. Well TW-1 
	23					
	24					
	25					

PROJECT <u>COVENANT HOUSE</u>			PROJECT NO. <u>100674401</u>		
LOCATION <u>460 W. 41st ST</u>			ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/21/17</u>		DATE FINISHED <u>11/21/17</u>
DRILLING EQUIPMENT <u>Geoprobe PNEUMATIC Hammer Limited Access</u>			COMPLETION DEPTH <u>3.5</u>		ROCK DEPTH <u>3.5</u>
SIZE AND TYPE OF BIT <u>2 1/2" Dia x 3' L MACROCORE</u>			NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>2</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>			WATER LEVEL	FIRST <u>—</u>	COMPL. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	FOREMAN <u>COASTAL / MARK MOBLENSPERN</u>		
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>			LOGGED BY <u>LANGAN / MATT OLESKE</u>		
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>			

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLG IN.	
1	10" CONCRETE FLOOR SLAB.					Collected LSB-5(1-3) VOC @ 2.5-3'
1-6"	CONCRETE, some F→M Gravel (DRY).		DIRECT Push	30"	0.0	
6-30"	Lt Br. F→C SAND, tr. Red Brick, tr. f-M Gravel (DRY)					
3	0-6" Weathered Mica SCHIST (dry).	2		6"	0.0	END of Boring @ 3.5' bgs. Refusal on Mica Schist Rock.
4						
5						
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10						
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12						
13						
14						

LANGAN

LOG OF BORING LSB-6 SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>			PROJECT NO. <u>100674461</u>		
LOCATION <u>460 W. 41st St</u>			ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/21/17</u>		DATE FINISHED <u>11/21/17</u>
DRILLING EQUIPMENT <u>Geoprobe 420M</u>			COMPLETION DEPTH <u>5.25'</u>		ROCK DEPTH <u>5.25'</u>
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 3' L MACROCORE</u>			NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>2</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>			WATER LEVEL	FIRST <u>4.5</u>	COMPL. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	FOREMAN <u>COASTAL / MARK MOBLENCREW</u>		
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>			LOGGED BY <u>LANGAN / MATT OLESKE</u>		
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>			

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLDG. W. (PPR)	
	CORE DRILL THROUGH 10" CONCRETE				0.0	
1	0-12" Light to medium Brown f→C SAND, tr. f→M Gravel, tr Red Brick. (Dry).	1	DIRECT Push	36"	0.0 32.0 67.0	Odor @ 1' to 3' bgs. Collect Sample LSB-6 (1-3) from 1'-3' bgs NOC grab @ 2'-2.5' bgs.
2	12-36" Dark Brown f→C SAND, tr. f→M Gravel, tr Red Brick (Dry).	2	DIRECT Push	36"	97.0 104.0 82.0 15.0	
3					3.0	
4	0-6" Lt to M. Brown f→C SAND, tr. f-m Gravel, tr Red Brick, tr. Gray Silt (moist).	2	DIRECT Push	20"	1.8 0.0 0.0 0.0 0.0	
5	6-20" Lt to M. Brown f→C SAND, some Gray Silt, tr. f. Gravel. (wet @ 18" to 20").				0.0	
6						END OF BORING @ 5.25' bgs. Refusal on mica Schist Rock
7						0.75' STOP.
8						1" φ PVC TW-3
9						4.5'
10						5.25'
11						
12						
13						
14						

LANGAN

LOG OF BORING LSB-7 SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>			PROJECT NO. <u>100674401</u>		
LOCATION <u>460 W. 41st St</u>			ELEVATION AND DATUM <u>VEL +24' NAVD 83</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/20/17</u>		DATE FINISHED <u>11/20/17</u>
DRILLING EQUIPMENT <u>Geoprobe 420 M</u>			COMPLETION DEPTH <u>2.5'</u>		ROCK DEPTH <u>2.5'</u>
SIZE AND TYPE OF BIT <u>2 1/2" Dia x 3' L MACROCORE</u>			NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>1</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>			WATER LEVEL	FIRST <u>—</u>	COMPL. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	FOREMAN <u>COASTAL / MARK MORGENSTERN</u>		
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>			LOGGED BY <u>LANGAN / MATT OLESKE</u>		
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>			

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/IN. (PPH)	
1	7" Thick Concrete Slab 0-20" M. Br. f→C SAND, tr. f-m Gravel, tr. Concrete, tr. Weathered Mica Schist Rock (DRY).		DIRECT PUSH	20"	0.0	Collect Sample LSB-7(0-2) VOL @ 1.5-2'
2						
3						Refusal on Mica Schist Rock @ 2.5' lgs.
4						
5						
6						
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12						
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14						

LANGAN

LOG OF BORING LSB-8 SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>			PROJECT NO. <u>100674401</u>		
LOCATION <u>460 W. 41st St</u>			ELEVATION AND DATUM <u>VEL +24' NAVD 88</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/20/17</u>		DATE FINISHED <u>11/20/17</u>
DRILLING EQUIPMENT <u>Geoprobe 420M</u>			COMPLETION DEPTH <u>2.5</u>		ROCK DEPTH <u>2.5</u>
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 3' L MACROCORE</u>			NO. SAMPLES	DIST. <u>-</u>	UNDIST. <u>1</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>			WATER LEVEL	FIRST <u>-</u>	COMPL. <u>-</u>
CASING HAMMER	WEIGHT <u>-</u>	DROP <u>-</u>	FOREMAN <u>COASTAL / MARK MORGENTHAU</u>		
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>			LOGGED BY <u>LANGAN / MATT OLESKE</u>		
SAMPLER HAMMER	WEIGHT <u>-</u>	DROP <u>-</u>			

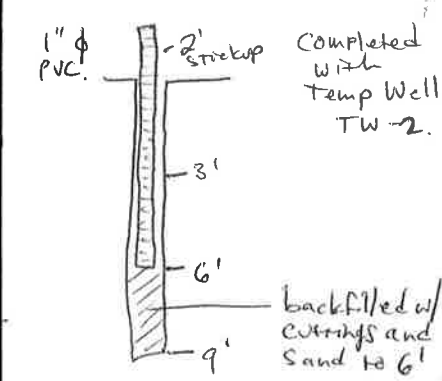
DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/6IN. (ppm)	
0	6" Concrete slab.					
1	0-16" Lt Br. F-C SAND, tr. Red Brick tr. f-m Gravel, tr. Granite (Dry).		DIRECT PUSH	16"	8	Collect LSB-8 (0-2) VOC @ 1.5-2'
2						
3						E.O.B. @ 2.5' bgs. Rebital on Granite.
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

LANGAN

LOG OF BORING LSB-9 SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>			PROJECT NO. <u>100674481</u>		
LOCATION <u>460 W. 41st St</u>			ELEVATION AND DATUM <u>VEL +24' NAVD 88 (BSMT VEL+8')</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/20/17</u>		DATE FINISHED <u>11/20/17</u>
DRILLING EQUIPMENT <u>Geoprobe 420M</u>			COMPLETION DEPTH <u>9'</u>		ROCK DEPTH <u>9'</u>
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 3'L MACROCORE</u>			NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>3</u>
CASING <u>2 1/2" DIA x 3'L MACROCORE</u>			WATER LEVEL	FIRST <u>1'</u>	COMPL. <u>—</u> 24 HR. <u>1'</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	FOREMAN <u>COASTAL/MARK MORGENSTERN</u>		
SAMPLER <u>2" DIA x 3'L ACETATE LINED MACROCORE</u>	LOGGED BY <u>LANGAN/MATT OLESKE</u>				
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>			

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BUG IN.	
0-3"	6" Reinforced Concrete Slab					COLLECT SAMPLE LSB-9 (0-2) VOC @ 0.5-1'
3-12"	0-3" Grayish Brown Sandy SILT, tr. F-m Gravel, tr. Red Brick (moist).		DIRECT PUSH	12"		
12-36"	3-12" Dark Br. f-c SAND, tr. F-m Gravel, tr. Gray Silt, tr Red Brick (WET)		DIRECT PUSH	36"		Completed with Temp Well TW-2. backfilled w/ cuttings and sand to 6'
36-72"	0-36" Grayish Brown Sandy SILT, tr. Wood, tr. F-m Gravel (wet)	N	DIRECT PUSH	36"		
72-90"	0-36" Same as above 0-36"	M	DIRECT PUSH	36"		EOB @ 9' bgs (basement floor slab), Refusal on mica schist on top of Macrocore.
90-108"						



LANGAN

LOG OF BORING LSB-10 SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>			PROJECT NO. <u>100674401</u>		
LOCATION <u>460 W. 41st St</u>			ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/21/17</u>		DATE FINISHED <u>11/21/17</u>
DRILLING EQUIPMENT <u>Geoprobe PNEUMATIC Hammer Limited Access</u>			COMPLETION DEPTH <u>3.25</u>		ROCK DEPTH <u>3.25</u>
SIZE AND TYPE OF BIT <u>2 1/8" DIA x 3' L Macrocore</u>			NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>2</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>			WATER LEVEL	FIRST <u>—</u>	COMPL. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	FOREMAN <u>COASTAL / MARK MORGENSERN</u>		
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>			LOGGED BY <u>LANGAN / MATT OLESKE</u>		
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>			

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLG IN.	
1	8" Reinforced Concrete Flare 0-32" Lt Br. F-C SAND, tr. f-m Gravel. (DRY)	1	DIRECT PUSH	32"	0.0	Collect Sample LSB-10(1-3) VOC @ 2.5-3'
2						
3		2	MR		0.0	
4						E.O.B. @ 3.25' bgs.
5						Refusal on Quartz Rock.
6						- Quartz Rock in tip of macro core.
7						
8						
9						
10						
11						
12						
13						
14						

LANGAN

LOG OF BORING LSB-11 SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>			PROJECT NO. <u>100674401</u>		
LOCATION <u>460 W. 41st ST</u>			ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/21/17</u>		DATE FINISHED <u>11/21/17</u>
DRILLING EQUIPMENT <u>Geoprobe 420 M</u>			COMPLETION DEPTH <u>3.25</u>		ROCK DEPTH <u>3.25</u>
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 3' L MACROCORE</u>			NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>1</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>			WATER LEVEL	FIRST <u>—</u>	COMPL. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	FOREMAN <u>COASTAL / MARK MOJENGERN</u>		
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>			LOGGED BY <u>LANGAN / MATT OLESKE</u>		
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>			

DEPTH SCALE	SAMPLE DESCRIPTION	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLG IN.	
0	8" Concrete Floor Slab					Collect Sample LSB-11(1-3) VOC @ 2-2.5'
1	0-28" M. Br. f-c SAND, tr. Red Brick, tr. f-m Gravel, tr. weathered mica Schist. (DRY).		DIRECT PUSH	28"	0.0	
2						
3			NR		0.0	
4						E.O.B @ 3.25' Lgs. Refusal on Mica Schist Rock.
5						
6						
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9						
10						
11						
12						
13						
14						

PROJECT	Covenant House			PROJECT NO.	100674401		
LOCATION	460 West 41st Street, Manhattan			ELEVATION AND DATUM	Approximately +24' NAVD88		
DRILLING AGENCY	AARCO Environmental Services			DATE STARTED	4/30/2018	DATE FINISHED	4/30/2018
DRILLING EQUIPMENT	Geoprobe 420M			COMPLETION DEPTH	21' BGS	ROCK DEPTH	N/A
SIZE AND TYPE OF BIT	_____			LOCATION	Northeastern portion of the basement in building C		
CASING	2 1/4" Steel	WEIGHT	_____	DROP	_____	NO. SAMPLES	DIST.
CASING HAMMER	_____	WEIGHT	_____	DROP	_____	UNDIST.	7
SAMPLER	2"W x 3'L Acetate Lined Macrocore			FOREMAN	Adam Hutchinson		
SAMPLER HAMMER	_____	WEIGHT	_____	DROP	_____	LANGAN REP.	Connor Gieger
						WATER LEVEL	FIRST 16.2' BGS
						COMPL	15.5' BGS
							24 HR

MATERIAL SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV (m)	PID (ppm)	
Historic Fill	0"-32": Brown, medium density, m-c SAND, some Gravel, trace Concrete and Brick (dry)	0				0.3	LSB-12(0-2) [12"-18"] collected 4/30 at 23:25
		1		Direct Push	32	0.1	
		2				0.0	
		3				0.0	
		4				0.0	
		5				0.0	
		6				0.0	
		7				0.0	
		8				0.0	
		9				0.0	
		10				0.0	
		11				0.0	
Native Soil	0"-4": Grey, low density, CONCRETE, trace Brick (dry)	12				1.7	LSB-12(13'-15') [13.5'-14.0'] collected 4/30 at 23:25 Dup-3 collected from (13' to 15') [13.5-14.0] 5/1 at 3:00
	4"-20": Brown, medium density, m-c SILT, trace Mica, (moist)	13		Direct Push	26	1.3	
	20"-32": Grey, medium density, fine SILT, some Clay (moist)	14				0.5	
	0"-14": Brown, low density, fine SAND, trace coarse Gravel (moist)	15				0.0	


LANGAN

JOB NO. 100674401

LOG OF BORING NO. LSB-12

DATE: 4/30/2018

SHEET 2 OF 2

MATERIAL SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV. (ft)	PENETR. RESIST. BL/6 IN.	
		14					
	0"-14": Grey, medium density, fine SILT, trace Clay (moist)	15				0.0	
	14"-36": Grey, high density, fine SILT, some Clay (wet)	16		Direct Push	36	0.0	 Groundwater observed in boring at 16'2" bgs.
		17				0.0	
		18				0.0	
	0"-30": Grey, high density, fine SILT, some Clay, trace Organics (wet)	19		Direct Push	30	0.0	
		20				0.0	
		21				0.0	
		22					LSB-12 completed to 21' bgs. TWP-4 installed inside LSB-14
		23					

PROJECT Covenant House		PROJECT NUMBER 10674401			
LOCATION 460 West 41st Street		ELEVATION AND DATUM Approx. +24-feet NAVD88			
DRILLING AGENCY AARCO Environmental Services		DATE STARTED 4-30-18	DATE COMPLETED 4-30-18		
DRILLING EQUIPMENT Geoprobe 420M		DRILLER Adam Hutchinson			
SIZE AND TYPE OF BIT 2" O.D. Steel		INSPECTOR Connor Gieger			
METHOD OF INSTALLATION Direct push 2- by 3-foot rods with 1.5-inch sampling macro cores to 21-feet below side walk grade. Well screen installed from 21- to 11-feet below ground surface, filter installed from 21- to 11- feet below sidewalk grade. Sealed from 11- to 9-feet, and from 1- to 2-feet below sidewalk grade.					
METHOD OF WELL DEVELOPMENT Well is planned to be developed on 5/2/18					
TYPE OF CASING N/A	DIAMETER N/A	TYPE OF BACKFILL MATERIAL Filter sand			
TYPE OF SCREEN Schedule 20 PCV	DIAMETER 1-inch	TYPE OF SEAL MATERIAL Bentonite			
BOREHOLE DIAMETER 2-inch		TYPE OF FILTER MATERIAL Soil/Fill			
TOP OF CASING ELEVATION Approx. +24'	Depth 0-feet	<p>WELL DETAILS</p>	SOIL CLASSIFICATION	DEPTH	
TOP OF SEAL ELEVATION Approx. +15'	Depth 9-feet		<p>0- to 9-feet: Brown, low density, m-c SAND, some Concrete, trace Brick (historic fill)</p>	5	
TOP OF FILTER ELEVATION Approx. +13'	Depth 11-feet				
TOP OF SCREEN ELEVATION Approx. +13'	Depth 11-feet				
BOTTOM OF BORING ELEVATION Approx. +3'	Depth 21-feet				
SCREEN LENGTH 10-feet					
SLOT SIZE			<p>9- to 21-feet: Grey, medium density, f-m SILT, trace Gravel</p>	10	
GROUNDWATER ELEVATIONS					
ELEVATION Approx. +8.5'	DATE 5-1-18				
ELEVATION	DATE				<p>Initial depth to groundwater at 15.5-feet bgs</p>
ELEVATION	DATE				
ELEVATION	DATE				
ELEVATION	DATE		21		

PROJECT	Covenant House			PROJECT NO.	100674401		
LOCATION	460 West 41st Street, Manhattan			ELEVATION AND DATUM	Approximately +24' NAVD88		
DRILLING AGENCY	AARCO Environmental Services			DATE STARTED	5/1/2018	DATE FINISHED	5/1/2018
DRILLING EQUIPMENT	Geoprobe 420M			COMPLETION DEPTH	22' BGS	ROCK DEPTH	N/A
SIZE AND TYPE OF BIT	_____			LOCATION	Northeastern portion of the basement in building C		
CASING	2 1/4" Steel	WEIGHT	_____	NO. SAMPLES		DIST.	
CASING HAMMER		DROP	_____	WATER LEVEL	FIRST 18.0'	UNDIST.	10
SAMPLER	2"W x 3'L Acetate Lined Macrocore			FOREMAN	Adam Hutchinson		
SAMPLER HAMMER		DROP	_____	LANGAN REP.	Connor Gieger		

MATERIAL SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV (m)	PID (ppm)	
Historic Fill	0"-6": Grey, CONCRETE (dry)	1		Direct Push	16	0.0	LSB-13 (0-2) [18"-24"] collected 5/1 at 1:20
	6"-16": Brown, low density, coarse SAND, some Brick (dry)					0.0	
						0.0	
		2				0.0	
		3				0.0	
	0"-6": Grey, low density, CONCRETE, trace coarse Sand (dry)	4		Direct Push	18	0.0	
	6"-18": Dark brown, low density, coarse SAND, some Concrete, trace Brick (dry)					0.0	
						0.0	
		5				0.0	
		6				0.0	
	0"-10": Grey, low density, CONCRETE, some m-c Sand (dry)	7		Direct Push	16	0.0	
	10"-16": Brown, low density, m-c SAND, some Gravel, trace Brick (dry)					0.0	
						0.0	
		8				0.0	
	9				0.0		
0"-8": Light brown, low density, f-m SAND, trace Gravel (dry)	10		Direct Push	24	0.0		
8"-24": Dark brown, medium density, m0c SAND, some coarse Gravel, trace Brick (dry)					0.0		
					0.0		
	11				0.0		
	12				0.0		
0"-14": Brown, low density, coarse SAND, some Concrete, trace Brick (dry)	13		Direct Push	36	0.0		
14"-36": Grey, high density, m-f SILT, trace Clay (dry)					0.0		
					0.0		
	14				0.0		

WC-2A collected from 0- to 13-feet (12.5- to 13-feet) at 1:30


LANGAN

JOB NO. 100674401

LOG OF BORING NO. LSB-13

DATE: 5/1/2018

SHEET 2 OF 2

MATERIAL SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV.(ft)	PENETR. RESIST. BL/6 IN. PID (ppm)	
Native Soil	0"-10": Brown, medium density, coarse SAND, some coarse Gravel (dry)	14					LSB-13(15-17) [15.0'-15.5'] collected 5/1 at 1:20 LSV-1 installed at 17.0-foot bgs  Groundwater observed in soil boring at 18.0' bgs. No recovery, little resistance drilling, macro core liner was soaked with groundwater. LSB-13 completed to 30' bgs. LSV-1 installed adjacent to LSB-13 at 14.5- to 15.0-foot bgs.
	10"-36": Grey, high density, fine SILT, some Clay (moist)	15				0.0	
		16		Direct Push	36	0.0	
		17				0.0	
		18				0.0	
	0"-15": Brown, low density, m-c SAND, trace medium Gravel (wet)	19		Direct Push	15	0.0	
		20				0.0	
		21				0.0	
		22		Direct Push	0	0.0	
		23				0.0	
		24				0.0	
	0"-36": Grey, medium density, f-m SILT, some Clay (wet)	25		Direct Push	36	0.0	
	26				0.0		
	27				0.0		
0"-33": Grey, low density, f-m SILT, some clay (wet)	28		Direct Push	33	0.0		
	29				0.0		
	30				0.0		
	31				0.0		

PROJECT	Covenant House	PROJECT NO.	100674401						
LOCATION	460 West 41st Street, Manhattan		ELEVATION AND DATUM						
DRILLING AGENCY	AARCO Environmental Services		DATE STARTED	5/1/2018	DATE FINISHED	5/1/2018			
DRILLING EQUIPMENT	Geoprobe 420M		COMPLETION DEPTH	25' BGS	ROCK DEPTH	N/A			
SIZE AND TYPE OF BIT	_____		LOCATION			Northeastern portion of the basement in building C			
CASING	2 1/4" Steel	NO. SAMPLES		DIST.	UNDIST.	9	CORE		
CASING HAMMER	WEIGHT _____	DROP _____	WATER LEVEL	FIRST	18.0'	COMPL.	14.2'	24 HR	
SAMPLER	2"W x 3'L Acetate Lined Macrocore		FOREMAN						Adam Hutchinson
SAMPLER HAMMER	WEIGHT _____	DROP _____	LANGAN REP.						Connor Gieger

MATERIAL SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV (m)	PID (ppm)	
Historic Fill	0"-8": Grey, low density, CONCRETE, some brown coarse SAND (dry)	0 1 2 3		Direct Push	8	0.0 0.0 0.0 0.0	LSB-14(0-2) [18"-24"] collected 5/1 at 3:35
	0"-12": Grey, low density, coarse GRAVEL, some Concrete, trace Brick (dry)	4 5 6		Direct Push	12	0.0 0.0 0.0	
	0"-18": Grey, medium density, CONCRETE, trace coarse Gravel (dry)	7		Direct Push	36	0.0	
	18"-36": Brown, medium density, m-c SAND, some Brick, trace medium Gravel (dry)	8 9				0.0 0.0	
	0"-34": Grey, low density, coarse GRAVEL, some Concrete, trace Brick (dry)	10 11 12		Direct Push		34	
	0"-36": Brown, low density, Gravelly, coarse SAND, some Concrete, trace Brick (dry)	13 14		Direct Push	36	0.0 0.0	


LANGAN

JOB NO. 100674401

LOG OF BORING NO. LSB-14

DATE: 5/1/2018

SHEET 2 OF 2

MATERIAL SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)	
			NO. LOC	TYPE	RECOV.(ft)		
Native Soil	0"-36": Brown, low density, Gravelly, coarse SAND (dry)	14				LSB-14(16-18) [16.5'-17.0'] collected 5/1 at 3:30  Groundwater observed in soil boring at 18.0' bgs. Refusal encountered at 25' bgs in high density clay/silt. LTW-5 installed in LSB-14 boring. 1-inch screen installed from 22- to 12-feet bgs. 1-inch riser installed to surface. A flush mount installed into slab on grade. LSV-7 installed adjacent to LSB-14 and installed from 14.5- to 15.0-feet bgs	
		15					
		16		Direct Push	36		0.0
		17		Direct Push	36		0.0
		18					0.0
		19		Direct Push	36		0.0
		20		Direct Push	36		0.0
		21		Direct Push	36		0.0
		22		Direct Push	36		0.0
		23		Direct Push	36		0.0
		24		Direct Push	12		0.0
		25		Direct Push	12		0.0
		26					
		27					
		28					
		29					
		30					
	31						

PROJECT Covenant House		PROJECT NUMBER 10674401	
LOCATION 460 West 41st Street		ELEVATION AND DATUM Approx. +24-feet NAVD88	
DRILLING AGENCY AARCO Environmental Services		DATE STARTED 5-1-18	DATE COMPLETED 5-1-18
DRILLING EQUIPMENT Geoprobe 420M		DRILLER Adam Hutchinson	
SIZE AND TYPE OF BIT 2" O.D. Steel		INSPECTOR Connor Gieger	
METHOD OF INSTALLATION Direct push 2- by 3-foot rods with 1.5-inch sampling macro cores to 22-feet below side walk grade. Well screen installed from 22- to 12-feet below ground surface, filter installed from 22- to 12- feet below sidewalk grade. Sealed from 12- to 10-feet, and from 1- to 2-feet below sidewalk grade.			
METHOD OF WELL DEVELOPMENT Well is planned to be developed on 5/2/18			
TYPE OF CASING N/A	DIAMETER N/A	TYPE OF BACKFILL MATERIAL Filter sand	
TYPE OF SCREEN Schedule 20 PCV	DIAMETER 1-inch	TYPE OF SEAL MATERIAL Bentonite	
BOREHOLE DIAMETER 2-inch		TYPE OF FILTER MATERIAL Soil/Fill	
TOP OF CASING ELEVATION Approx. +24'	Depth 0-feet	<p>WELL DETAILS</p>	
TOP OF SEAL ELEVATION Approx. +16'	Depth 10-feet		
TOP OF FILTER ELEVATION Approx. +14'	Depth 12-feet		
TOP OF SCREEN ELEVATION Approx. +14'	Depth 12-feet		
BOTTOM OF BORING ELEVATION Approx. -1'	Depth 25-feet		
SCREEN LENGTH 10-feet			
SLOT SIZE			
GROUNDWATER ELEVATIONS			
ELEVATION Approx. +9.8'	DATE 5-1-18		
ELEVATION	DATE		
ELEVATION	DATE		
ELEVATION	DATE		
ELEVATION	DATE		
ELEVATION	DATE		
SOIL CLASSIFICATION		DEPTH	
0- to 15-feet: Brown, low density, m-c Gravelly SAND, some Concrete, trace Brick (historic fill)		5	
Initial depth to groundwater at 14.2-feet bgs		15	
15- to 22-feet: Brown, medium density, m-c Gravelly SAND, some f-c Silt		22	

LANGAN

LOG OF BORING LSB-15

SHEET 1 OF 1

PROJECT	Covenant House	PROJECT NO.	100674401			
LOCATION	460 W 41st Street Manhattan, NY		ELEVATION AND DATUM ~ EL +13 NAVD88			
DRILLING AGENCY	AARCO Environmental Services Corp.		DATE STARTED	4/26/2018	DATE FINISHED	4/26/2018
DRILLING EQUIPMENT	Hammer Drill/Geoprobe 420M		COMPLETION DEPTH	3'	ROCK DEPTH	3'
SIZE AND TYPE OF BIT	5.5" x 6" Core Bit / Hand Auger		LOCATION 460 W 41st Street Manhattan, NY			
CASING	---		NO. SAMPLES	DIST. 4	UNDIST. ---	CORE ---
CASING HAMMER	---	WEIGHT	---	DROP	---	---
SAMPLER	3" x 6" Stainless Steel Hand Auger		WATER LEVEL	FIRST ---	COMPL. ---	24 HR ---
SAMPLER HAMMER	---	WEIGHT	---	DROP	---	---
			FOREMAN	Adam Hutchinson		
			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	RECOV. FT.	PID (ppm)	
	0-1' concrete						Begin concrete core drilling at 1150
FILL	1-1.5' light gray loose f-m SAND some concrete tr c sand, f gravel, brick, silt [dry]	1	1	Hand Auger	---	0.2	Begin hand augering at 1322 LSB-15(1-3) collected from 1'-3' at 1345
		2				0.2	
		3				0.2	
		4				0.2	
	1.5-2' brown loose f-m SAND some silt tr c sand, f gravel, brick, concrete [dry]	3					Refusal at 3' bsg at 1335 LSV-2 installed at 3' bsg. Borehole backfilled with fill pro sand and sealed with bentonite.
	2'-2.5' same as above [moist]	5					
	2.5-2' brown loose f-m SAND some silt tr c sand, f gravel, brick, concrete, weathered mica schist [moist]	6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

LANGAN

LOG OF BORING LSB-16 SHEET 1 OF 1

PROJECT	Covenant House	PROJECT NO.	100674401		
LOCATION	460 W 41st Street Manhattan, NY	ELEVATION AND DATUM	~ EL +13 NAVD88		
DRILLING AGENCY	AARCO Environmental Services Corp.	DATE STARTED	4/26/2018	DATE FINISHED	4/26/2018
DRILLING EQUIPMENT	Hammer Drill/Geoprobe 420M	COMPLETION DEPTH	5.5'	ROCK DEPTH	5.5'
SIZE AND TYPE OF BIT	5.5" x 6" core bit/Direct Push	LOCATION	460 W 41st Street Manhattan, NY		
CASING	2" x 3' Stainless Steel	NO. SAMPLES	DIST.	UNDIST.	CORE
CASING HAMMER	— WEIGHT — DROP —	WATER LEVEL	FIRST 5.5	COMPL. 3.1	24 HR —
SAMPLER	1.5' x 3' Acetate Lined Macrocore	FOREMAN	Adam Hutchinson		
SAMPLER HAMMER	— WEIGHT — DROP —	LANGAN REP.	Allison Kritzer		

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)	
	0-1.5' concrete	1					Begin concrete core drilling at 0855
FILL	0-1'10" black/dark brown loose f-m SAND some c sand, f gravel tr wood, concrete, brick, silt [dry]	2		Direct Push	1'10"	0.0 6.2 5.1	Begin direct push at 0936 LSB-16 (1.5-3.5) collected from 1.5'-3.5' at 0950. VOCs collected from 2'-2.5'
	0-6" same as above	3				0.0	VOC-5 collected from 1.5'-5.5' at 1020. VOCs collected from 2'-2.5'
NATIVE	6"-2' grayish black f-m med dense SAND some silt, weathered mica schist [dry]	4	2	Direct Push	2'2"	0.0 0.0 0.0	LSB-16 (3.5-5.5) collected from 3.5'-5.5' at 1010. VOCs collected from 5'-5.5'
	2'2" dark gray dense CLAY some weathered mica schist tr silt [moist]	6					Refusal at 5.5' bsg at 0955 LTW-6 installed to 5' bsg (1/2" of fall in occurred) 5' of screen, no solid pvc Fill pro sand installed.
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

PROJECT Covenant House		PROJECT NUMBER 100674401																										
LOCATION 460 W 41st Street Manhattan, NY		ELEVATION AND DATUM Approx el +13 NAVD88																										
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 4/26/2018	DATE COMPLETED 5/1/2018																									
DRILLING EQUIPMENT Geoprobe 420M		DRILLER AARCO/Adam Hutchinson																										
SIZE AND TYPE OF BIT 2" Stainless Steel		INSPECTOR Allyson Kritzer																										
METHOD OF INSTALLATION Direct push to 5.5' bgs. Fall in of 0.5' occurred at the bottom of the borehole. 4.5' of 1" 20-slot PVC screen installed. 0.5' of 1" PVC riser installed. Fill pro sand filled until 0.5' bgs. Riser cut to 0.25' bgs. No bentonite installed. Manhole installed and secured with concrete on 5/1/2018.																												
METHOD OF WELL DEVELOPMENT None - Low flow sampling to occur when the well is sampled																												
TYPE OF CASING	DIAMETER 1"	TYPE OF BACKFILL MATERIAL	Fill pro sand																									
TYPE OF SCREEN	DIAMETER 1"	TYPE OF SEAL MATERIAL	None																									
BOREHOLE DIAMETER	2"	TYPE OF FILTER MATERIAL	None																									
TOP OF CASING	ELEVATION 12.75	Depth 0.25' bgs	<table border="1"> <thead> <tr> <th colspan="2">WELL DETAILS</th> <th>SOIL CLASSIFICATION</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td rowspan="10"> </td> <td>top of casing</td> <td rowspan="3">FILL</td> <td>0.25' bgs</td> </tr> <tr> <td>top of sand</td> <td>0.5' bgs</td> </tr> <tr> <td>top of screen</td> <td>1.5' bgs</td> </tr> <tr> <td colspan="2"></td> <td rowspan="4">NATIVE</td> <td>3.5' bgs</td> </tr> <tr> <td colspan="2"></td> <td>5' bgs</td> </tr> <tr> <td colspan="2"></td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> </tr> </tbody> </table>	WELL DETAILS		SOIL CLASSIFICATION	DEPTH		top of casing	FILL	0.25' bgs	top of sand	0.5' bgs	top of screen	1.5' bgs			NATIVE	3.5' bgs			5' bgs						
WELL DETAILS		SOIL CLASSIFICATION		DEPTH																								
	top of casing	FILL		0.25' bgs																								
	top of sand			0.5' bgs																								
	top of screen			1.5' bgs																								
				NATIVE	3.5' bgs																							
					5' bgs																							
	TOP OF SEAL	ELEVATION ---		Depth ---																								
	TOP OF FILTER	ELEVATION 12.5	Depth 0.5' bgs																									
	TOP OF SCREEN	ELEVATION 12.5	Depth 0.5' bgs																									
BOTTOM OF BORING	ELEVATION 8	Depth 5' bgs																										
SCREEN LENGTH	4.5'																											
SLOT SIZE	20 slot																											
GROUNDWATER ELEVATIONS																												
ELEVATION	5.5' bgs	DATE	5/1/2018																									
ELEVATION	3.1' bgs	DATE	5/1/2018																									
ELEVATION		DATE																										
ELEVATION		DATE																										
ELEVATION		DATE																										

LANGAN

LOG OF BORING LSB-18

SHEET 1 OF 1

PROJECT	Covenant House			PROJECT NO.	100674401		
LOCATION	460 W 41st Street Manhattan, NY			ELEVATION AND DATUM	Approx El 19.6 NAVD88		
DRILLING AGENCY	AARCO Environmental Services Corp.			DATE STARTED	5/1/2018	DATE FINISHED	5/1/2018
DRILLING EQUIPMENT	Hammer Drill / Geoprobe 420M			COMPLETION DEPTH	15'	ROCK DEPTH	
SIZE AND TYPE OF BIT	5.5" x 16" Core Bit / Direct Push			LOCATION	460 W 41st Street Manhattan, NY		
CASING	2" x 3" Stainless Steel			NO. SAMPLES		DIST.	—
CASING HAMMER	WEIGHT	DROP		UNDIST.	6	CORE	—
SAMPLER	1.5" x 3" Acetate Lined Macrocore			WATER LEVEL	FIRST 7.5'	COMPL.	7.5'
SAMPLER HAMMER	WEIGHT	DROP		FOREMAN	Adam Hutchinson		
				LANGAN REP.	Allyson Kitzer		

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	0-6" concrete slab						Begin core drilling @ 0835
	0-8" crushed concrete [dry]	1		Direct Push		0.0	Begin macrocore drilling @ 0900
	8"-1'7" brown f-m loose SAND tr brick, concrete mica schist, f gravel C sand [dry]	2	1	Direct Push	1'7"	0.0	LSB-18 (1.5-3.5) collected at 0915. VOCs collected from 2.5-3'
						0.0	
						0.1	
					0.0		
					0.0		
NATIVE	0-1'2" brown silty f-m med. dense SAND some mica schist tr C sand, f gravel [moist]	3	2	Direct Push		0.0	LSB-18 (5.5-7.5) collected at 0930. VOCs collected from 7-7.5
		4				0.0	
		5				0.0	
		6				0.0	
		7				0.0	
	0-10" brown silty f-m med. dense SAND some wood tr C sand, f gravel [moist]	7	3	Direct Push	10"	0.0	Refusal encountered. AK asks to advance further
		8				0.0	
		9				0.0	
		10				0.0	
		11				0.0	
0-2'5" gray clayey dense SILT some f-m sand tr mica schist [wet]	10	5	Direct Push	3"	0.0	WC-3 composition from 15'-15' at 0945. VOCs collected from 5.5-6	
	11				0.0		
2'5"-3' gray f SAND some red fc gravel [wet]	11		Direct Push		0.0		
	12				0.0		
	13				0.0		
0-3' brown clayey dense SILT some f-m sand tr mica schist [wet]	12	6	Direct Push	3"	0.0	End of boring at 15'. LTW-7 installed to 13.5'. 10' screen and 3.5' riser. LSV-4 to be installed 6' below	
	13				0.0		
	14				0.0		
		15	Direct Push		0.0	gravel.	

LANGAN

LOG OF BORING LSB-19 SHEET 1 OF 1

PROJECT	Covenant House			PROJECT NO.	100674401		
LOCATION	460 W 41st Street Manhattan, NY			ELEVATION AND DATUM	~ EL + 13 NAVD83		
DRILLING AGENCY	AARCO Environmental Services Corp.			DATE STARTED	4/26/2018	DATE FINISHED	4/26/2018
DRILLING EQUIPMENT	Hammer Drill / Geoprobe 420M			COMPLETION DEPTH	6'	ROCK DEPTH	6'
SIZE AND TYPE OF BIT	5.5" x 6" core Bit / Direct Push			LOCATION	460 W 41st Street Manhattan, NY		
CASING	2" x 3" stainless steel			NO. SAMPLES		DIST.	—
CASING HAMMER	—	WEIGHT	—	DROP	—	UNDIST.	2
SAMPLER	1.5" x 3' Acetate Lined Macrocore			FOREMAN	Adam Hutchinson		
SAMPLER HAMMER	—	WEIGHT	—	DROP	—	COMPL.	—
				LANGAN REP.	Allison Kritzer		

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV'T.	PID (ppm)	
	0-1' concrete						Begin concrete core drilling at 1325
	0-7" crushed concrete [dry]	1				0.7	Begin direct push at 1430
	7"-1'7" brown loose f-m SAND some silt trc sand, f gravel, brick [moist]	2	1	DIRECT PUSH	1'7"	0.8	
						0.9	
		3				1.1	Σ
	0-6" brown loose f-m SAND some silt trc sand, f gravel, brick, weathered mica schist [moist]	4	2	DIRECT PUSH		0.7	WC-4 collected from 1'-6' bsg at 1450. VOCs collected from 2.5'-3'
						0.7	
		5				0.7	
	6"-1' brown loose f-m SAND some silt, mica schist tr f gravel, c sand [wet]	6		DIRECT PUSH	1'0"	0.7	
						0.7	
		7				0.7	Refusal at 6' bsg at 1440. weathered mica schist observed
		8					
		9					
		10					
		11					
		12					
		13					
		14					

PROJECT Covenant House		PROJECT NUMBER 100674401																																																					
LOCATION 460 W 41st Street Manhattan, NY		ELEVATION AND DATUM Approx el +19.6 NAVD88																																																					
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/1/2018	DATE COMPLETED 5/1/2018																																																				
DRILLING EQUIPMENT Geoprobe 420M		DRILLER AARCO/Adam Hutchinson																																																					
SIZE AND TYPE OF BIT 2" Stainless Steel		INSPECTOR Allyson Kritzer																																																					
METHOD OF INSTALLATION Direct push to 15' bgs. Sand placed to 13.5' bgs. 10' of 20-slot PVC screen installed and 3.5' of 1" solid PVC pipe riser installed. Fill pro sand installed 2' above the screen. 6" of bentonite installed above the sand. 0.5' of riser cut to install J plug and manhole. Manhole secured with																																																							
METHOD OF WELL DEVELOPMENT None - Low flow sampling to occur when the well is sampled																																																							
TYPE OF CASING DIAMETER 1"		TYPE OF BACKFILL MATERIAL Fill pro sand																																																					
TYPE OF SCREEN DIAMETER 1"		TYPE OF SEAL MATERIAL Bentonite																																																					
BOREHOLE DIAMETER 2"		TYPE OF FILTER MATERIAL Fill pro sand																																																					
TOP OF CASING	ELEVATION	Depth	<table border="1"> <thead> <tr> <th colspan="2">WELL DETAILS</th> <th>SOIL CLASSIFICATION</th> <th>DEPTH</th> </tr> </thead> <tbody> <tr> <td rowspan="10"> </td> <td>19.1</td> <td>0.5' bgs</td> <td rowspan="3">FILL</td> <td>0.5' bgs</td> </tr> <tr> <td>18.6</td> <td>1' bgs</td> <td>1' bgs</td> </tr> <tr> <td>18.1</td> <td>1.5' bgs</td> <td>1.5' bgs</td> </tr> <tr> <td>16.1</td> <td>3.5' bgs</td> <td rowspan="4">NATIVE</td> <td>3' bgs</td> </tr> <tr> <td>6.1</td> <td>13.5' bgs</td> <td>3.5' bgs</td> </tr> <tr> <td colspan="2">SCREEN LENGTH</td> <td>10' bgs</td> </tr> <tr> <td colspan="2">SLOT SIZE</td> <td>20 slot</td> </tr> <tr> <td colspan="4">GROUNDWATER ELEVATIONS</td> </tr> <tr> <td>ELEVATION</td> <td>7.5' bgs</td> <td>DATE</td> <td>5/1/2018</td> </tr> <tr> <td>ELEVATION</td> <td></td> <td>DATE</td> <td></td> </tr> <tr> <td>ELEVATION</td> <td></td> <td>DATE</td> <td></td> </tr> <tr> <td>ELEVATION</td> <td></td> <td>DATE</td> <td></td> </tr> <tr> <td>ELEVATION</td> <td></td> <td>DATE</td> <td></td> </tr> </tbody> </table>	WELL DETAILS		SOIL CLASSIFICATION	DEPTH		19.1	0.5' bgs	FILL	0.5' bgs	18.6	1' bgs	1' bgs	18.1	1.5' bgs	1.5' bgs	16.1	3.5' bgs	NATIVE	3' bgs	6.1	13.5' bgs	3.5' bgs	SCREEN LENGTH		10' bgs	SLOT SIZE		20 slot	GROUNDWATER ELEVATIONS				ELEVATION	7.5' bgs	DATE	5/1/2018	ELEVATION		DATE		ELEVATION		DATE		ELEVATION		DATE		ELEVATION		DATE	
WELL DETAILS		SOIL CLASSIFICATION		DEPTH																																																			
	19.1	0.5' bgs		FILL	0.5' bgs																																																		
	18.6	1' bgs			1' bgs																																																		
	18.1	1.5' bgs			1.5' bgs																																																		
	16.1	3.5' bgs		NATIVE	3' bgs																																																		
	6.1	13.5' bgs			3.5' bgs																																																		
	SCREEN LENGTH				10' bgs																																																		
	SLOT SIZE				20 slot																																																		
	GROUNDWATER ELEVATIONS																																																						
	ELEVATION	7.5' bgs	DATE	5/1/2018																																																			
	ELEVATION		DATE																																																				
ELEVATION		DATE																																																					
ELEVATION		DATE																																																					
ELEVATION		DATE																																																					
TOP OF SEAL	ELEVATION	Depth																																																					
TOP OF FILTER	ELEVATION	Depth																																																					
TOP OF SCREEN	ELEVATION	Depth																																																					
BOTTOM OF BORING	ELEVATION	Depth																																																					
SCREEN LENGTH		10' bgs																																																					
SLOT SIZE		20 slot																																																					

LANGAN

LOG OF BORING LSB-20 SHEET 1 OF 2

PROJECT	Covenant House	PROJECT NO.	100674401		
LOCATION	460 W 41st Street Manhattan, NY	ELEVATION AND DATUM	Approx. el 24.6 NAVD88		
DRILLING AGENCY	AARCO Environmental Services Corp.	DATE STARTED	5/1/2018	DATE FINISHED	5/1/2018
DRILLING EQUIPMENT	Geoprobe 420M	COMPLETION DEPTH	26'	ROCK DEPTH	NA
SIZE AND TYPE OF BIT	Direct Push	LOCATION	460 W 41st Street Manhattan, NY		
CASING	2" X 3' Stainless Steel	NO. SAMPLES		UNDIST.	9
CASING HAMMER	WEIGHT _____ DROP _____	WATER LEVEL	FIRST 10.5'	COMPL.	—
SAMPLER	1.5" X 3' Acetate lined Macrocote	FOREMAN	AARCO/Adam Hutchinson		
SAMPLER HAMMER	WEIGHT _____ DROP _____	LANGAN REP.	Allison Kutzler		

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV'T.	PID (ppm)	
	0-1' concrete [dry]					00	Begin drilling at 1400 WG-6A collected from 0 to 13' bsg at 1430. VOCS collected from 5.5' - 6' bsg
	1'-1'9" light brown f-m loose SAND some c sand tr fg gravel, silt, brick, concrete [dry]	1		Direct Push	2'8"	00	
	1'9"-2'8" brown silty f-m med. dense SAND tr c sand, fg gravel, schist, brick [moist]	2		Direct Push		00	
	0-1'5" grayish brown f-m loose SAND some silt, c sand tr brick, fg gravel, schist [moist]	3		Direct Push	1'5"	00	
	0-11" same as above tr concrete [moist]	4		Direct Push		00	
	11"-1'11" brown silty f-m med. dense SAND tr c sand, schist, brick [moist]	5	2	Direct Push		00	
	0-9" grayish brown f-m loose SAND some c sand tr fg gravel, silt, brick [moist]	6		Direct Push	1'11"	00	
	9"-2' brown clayey dense SILT some f sand, schist, tr f-c gravel [wet]	7	3	Direct Push		00	
	0-1' grayish brown f-m loose SAND some c sand tr fg gravel, silt, brick [wet]	8		Direct Push		00	
		9		Direct Push		00	
		10		Direct Push		00	
		11	4	Direct Push	2'	00	
		12		Direct Push		00	
		13	5	Direct Push	3'	00	
		14		Direct Push		00	

LANGAN

JOB NO. 100674401

LOG OF BORING NO. LSB-20

DATE: 5/1/2018

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	REC. FT. / PID (ppm)		
NATIVE	1-3' grayish black CLAY some silt, f-m sand tr schist [wet]	14	5	PP	3"	0.0 0.1	WC-6B collected from 13'-20' bsg at 1505. VOCs collected from 17.5-18' bsg
	0-1' grayish blue silty med. dense CLAY some f-c sand [wet]	15	9	Direct Push	1-11"	0.0 0.1 0.0 0.0 0.1 0.0	
	0-9" same as above	18	7	Direct Push	9"	0.1 0.0 0.1 0.0 0.1 0.0	
	0-1.5" gray f-m loose SAND some silt [wet]	21	8	Direct Push	3"	0.0 0.0 0.0 0.0 0.0	
	1.5"-1' black f-c loose SAND tr gravel, silt [wet]	22	9	Direct Push	2"	0.0 0.0 0.0	
	1.1"-2.5" gray f-m loose SAND some silt [wet]	23					
	2.5"-3' gray silty dense CLAY tr sand [wet]	24					
	0-1' gray f-m loose SAND some silt tr sand [wet]	25					
	1'-2' gray f-m dense SAND tr sand [wet]	26					
		27					
		28					
		29					
		30					
		31					
		32					

2 foot macrocore used.

End of boring @ 26' at 1500. Hole grouted and asphalt patched after completion.

ATTACHMENT B

FIELD SAMPLING SHEETS

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project: *Coveant Hase* Site Location: *460 W. 41st St NY NY* Well No: *TW-1* Date: *11/21/17*
Job Number: *100674401* Weather: *40°F, Windy* Sampler(s): *CG*
Initial DTW (ft): *15.9* Well Depth (ft): *23'* Pump Depth (ft): *19'*

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	NOTES color, odor etc.
<i>~ 1300</i>	<i>14.5</i>	<i>7.33</i>	<i>-114</i>	<i>3.00</i>	<i>963</i>	<i>3.49</i>	<i>15.9</i>	<i>~100</i>	<i>No odor, No see</i>
<i>1305</i>	<i>15.02</i>	<i>7.31</i>	<i>-116</i>	<i>2.97</i>	<i>1000+</i>	<i>2.19</i>	<i>15.9</i>		
<i>1310</i>	<i>15.16</i>	<i>7.31</i>	<i>-116</i>	<i>2.97</i>	<i>982</i>	<i>1.93</i>	<i>15.9</i>		
<i>1315</i>	<i>15.21</i>	<i>7.31</i>	<i>-117</i>	<i>2.96</i>	<i>942</i>	<i>1.61</i>	<i>15.9</i>		
<i>1320</i>	<i>15.36</i>	<i>7.31</i>	<i>-118</i>	<i>2.96</i>	<i>874</i>	<i>1.34</i>	<i>15.9</i>		
<i>1325</i>	<i>15.91</i>	<i>7.28</i>	<i>-119</i>	<i>3.00</i>	<i>771</i>	<i>0.81</i>	<i>15.9</i>		
<i>1330</i>	<i>16.02</i>	<i>7.26</i>	<i>-121</i>	<i>3.02</i>	<i>676</i>	<i>0.52</i>	<i>15.9</i>		
<i>* 1335</i>	<i>16.33</i>	<i>7.28</i>	<i>-121</i>	<i>3.06</i>	<i>566</i>	<i>0.42</i>	<i>15.9</i>		
<i>1340</i>	<i>16.40</i>	<i>7.23</i>	<i>-122</i>	<i>3.09</i>	<i>530</i>	<i>0.43</i>	<i>15.9</i>		
<i>1345</i>	<i>16.69</i>	<i>7.19</i>	<i>-122</i>	<i>3.12</i>	<i>553</i>	<i>0.00</i>	<i>15.9</i>		
<i>1350</i>	<i>16.69</i>	<i>7.18</i>	<i>-122</i>	<i>3.14</i>	<i>573</i>	<i>0.00</i>	<i>15.9</i>		
<i>1355</i>									
<i>1355</i>	<i>16.49</i>	<i>7.14</i>	<i>-121</i>	<i>3.19</i>	<i>569</i>	<i>0.00</i>	<i>-</i>	<i>~100</i>	<i>STABILIZED</i> <i>Sample @ 14:00</i>

+/- 0.1 pH +/- 10 mV +/- 3% +/- 10 NTU +/- 10% <0.3' drawdown

Notes:

Collect Sample TW-1 @ 14:00



LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project: <i>Covenant House</i>	Site Location: <i>460 W 41st St NY</i>	Well No: <i>LTW-6</i>	Date: <i>5/2/18</i>
Job Number: <i>100674401</i>	Weather: <i>CLOUDY, 70°F</i>	Sampler(s): <i>AK</i>	
Initial DTW (ft): <i>—</i>	Well Depth (ft): <i>55'</i>	Pump Depth (ft): <i>5'</i>	

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	NOTES color, odor etc.
<i>1147</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i>—</i>	<i><100</i>	<i>begin purge</i>
<i>1152</i>	<i>24.19</i>	<i>8.95</i>	<i>-110</i>	<i>5.56</i>	<i>312</i>	<i>0.4</i>	<i>—</i>	<i><100</i>	
<i>1157</i>	<i>24.27</i>	<i>8.58</i>	<i>-159</i>	<i>5.53</i>	<i>288</i>	<i>0.11</i>	<i>—</i>	<i><100</i>	
<i>1202</i>	<i>24.31</i>	<i>8.00</i>	<i>-193</i>	<i>5.66</i>	<i>226</i>	<i>0.56</i>	<i>—</i>	<i><100</i>	<i>bubbles</i>
<i>1207</i>	<i>24.37</i>	<i>8.45</i>	<i>-166</i>	<i>5.70</i>	<i>168</i>	<i>1.27</i>	<i>—</i>	<i><100</i>	
<i>1212</i>	<i>23.92</i>	<i>8.31</i>	<i>-71</i>	<i>0.003</i>	<i>398</i>	<i>7.2</i>	<i>—</i>	<i><100</i>	
<i>1217</i>	<i>24.27</i>	<i>8.43</i>	<i>-78</i>	<i>5.76</i>	<i>262</i>	<i>1.27</i>	<i>—</i>	<i><100</i>	<i>bubbles</i>
<i>1222</i>	<i>24.34</i>	<i>7.97</i>	<i>-130</i>	<i>5.73</i>	<i>187</i>	<i>7.16</i>	<i>—</i>	<i><100</i>	<i>bubbles</i>
<i>1227</i>	<i>24.36</i>	<i>7.92</i>	<i>-128</i>	<i>5.70</i>	<i>144</i>	<i>2.34</i>	<i>—</i>	<i><100</i>	<i>bubbles</i>
<i>1232</i>	<i>24.37</i>	<i>7.90</i>	<i>-120</i>	<i>5.71</i>	<i>143</i>	<i>2.48</i>	<i>—</i>	<i><100</i>	
<i>1237</i>	<i>24.32</i>	<i>7.87</i>	<i>-119</i>	<i>5.68</i>	<i>128</i>	<i>2.67</i>	<i>—</i>	<i><100</i>	
<i>1242</i>	<i>24.31</i>	<i>7.86</i>	<i>-125</i>	<i>5.69</i>	<i>132</i>	<i>1.89</i>	<i>—</i>	<i><100</i>	
<i>1247</i>	<i>24.35</i>	<i>7.84</i>	<i>-112</i>	<i>5.66</i>	<i>136</i>	<i>2.17</i>	<i>—</i>	<i><100</i>	<i>↓</i>

Notes:

PID= 3.2 ppm

Well damaged due to jack hammering during manhole installation

Water level meter could not fit.

Pump installed at 5' bsg and remained there due to significant drawdown

LTW-6 sampled at 1250



LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project: Covenant House Site Location: 4100 W 41st NY Well No: LTW-5 Date: 5/2/18
Job Number: 1000974101 Weather: Clear, 70°F Sampler(s): AK
Initial DTW (ft): 15.25 Well Depth (ft): 22' Pump Depth (ft): 21.5'

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	NOTES color, odor etc.
1350							15.25	<100	
1355	24.01	9.44	57	240	499	7.19	17.05	<100	
1400	19.95	9.53	-8	240	440	1.46	17.15	<100	
1405	18.98	8.48	-203	245	398	0.5	17.8	<100	pump for 1 min
1410	19.51	8.02	-184	244	403	1.62	17.25	<100	max. drawdown 2.5'
1415	19.47	9.74	-227	241	517	0.58	17.65	<100	silty, bubbles
1420	19.15	10.36	-205	245	626	0	18.2	<100	
1425	19.17	10.15	-205	279	513	1.42	18.45	<100	
1430	19.19	9.62	-289	331	495	0	18.65	<100	
1435	19.18	9.43	-280	240	481	0	19.05	<100	
1440	19.17	9.50	-250	248	477	1.01	18.105	<100	
1445	19.19	9.47	-301	282	485	0	18.102	<100	
1450	19.16	9.72	-285	269	472	0	18.68	<100	

+/- 0.1 pH +/- 10 mV +/- 3% +/- 10 NTU +/- 10% <0.3' drawdown

Notes:
PID = 0.4 ppm
1410' pump remained at ∇ due to significant drawdown
LTW-5 sampled at 1500



LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project: COVENANT HOUSE Site Location: 400 LW 413 ST NY Well No: LW-4 Date: 5/2/18
 Job Number: 100674401 Weather: CLEAR, 70°F Sampler(s): AK
 Initial DTW (ft): 15.5' Well Depth (ft): 23' Pump Depth (ft): 22.5'

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	NOTES color, odor etc.
1530	—	—	—	—	—	—	15.5'	<100	begin purge
1535	20.41	11.43	-195	1.64	1000	0.16	19.1	<100	
1538	DRY Pump turned OFF								
1545	Pump turned ON						19'	<100	
1550	20.32	10.92	-180	1.48	1000	0.24	22.5'	<100	
1551	DRY Pump turned OFF								
1600	Pump turned ON						18'	<100	
1605	20.37	11.03	-176	1.37	1000	1.06	22'	<100	
1607	DRY								
		+/- 0.1 pH	+/- 10 mV	+/- 3%	+/- 10 NTU	+/- 10%	<0.3' drawdown		

Notes:
 PID: 2.0 ppm
 LW-4 sampled at 1620
 VOCs sampled w/ per pump due to low recharge



SUMMA CANISTER SAMPLING FIELD DATA SHEET

Site: Covenant House

Samplers: C Gieger

Date: 5/2/2018

Sample #	LSV-4	LSV-3	Dup-4	LSV-5	LSV-1
Location					
Summa Canister ID	15284	23797	14193	15545	28305
Flow Controller ID	6213	Y2	6864	7084	15413
Sample Depth ft (b.g.s.)	6	6.0	6.0	6.0	17
Additional Tubing Added	NA	1-foot	1-foot	NA	2-feet
Purge Time (Start)	8:12:00	8:45:00	8:45:00	9:30:00	10:00:00
Purge Time (Stop)	8:16:32	8:50:30	8:50:30	9:35:10	10:05:50
Total Purge Time (min)	4:32	5:30	5:30	5:10	4:50
Purge Volume	1L	1L	1L	1L	1L
PID Test of Purge Air	423 ppb	640ppb	640ppb	449ppb	1161 ppb
Initial Tracer Gas Results in sampling line	100ppm	0ppm	0ppm	0ppm	0ppm
Initial Tracer Gas Results in shroud	90%	90%	90%	90%	90%
Pressure Gauge - before sampling	-30"HG	-30"HG	-29"HG	-30"HG	-30"HG
Sample Time (Start)	8:24	9:01	9:01	9:37	10:15
Sample Time (Stop)	10:35	11:04	11:04	11:56	12:41
Total Sample Time (min)	131	123	123	139	146
Pressure Gauge - after sampling	-3" HG	-2"HG	-3"HG	-5"HG	-1"HG
Sample Volume	6L	6L	6L	6L	6L
Canister Pressure Went to Ambient Pressure?	NO	NO	NO	NO	NO
Final Tracer Gas Results in sampling line					
Final Tracer Gas Results in shroud					
Associated Ambient Air Sample Number					
Weather 24 hours before and during sampling					
General Comments					

SUMMA CANISTER SAMPLING FIELD DATA SHEET

Site: Covenant House

Samplers: C Gieger

Date: 5/2/2018

Sample #	LSV-7	LSV-2	LSV-6		
Location					
Summa Canister ID	Y63	23994	28853		
Flow Controller ID	7418	5415	5612		
Sample Depth ft (b.g.s.)	15	3.0	4.5		
Additional Tubing Added	1-foot	1-foot	1-foot		
Purge Time (Start)	10:25:00	11:01:00	12:15:00		
Purge Time (Stop)	10:29:10	11:05:45	12:19:10		
Total Purge Time (min)	4:10	4:45	4:10		
Purge Volume	1L	1L	1L		
PID Test of Purge Air	799ppb	920ppb	12ppm		
Initial Tracer Gas Results in sampling line	100ppm	0ppm	0ppm		
Initial Tracer Gas Results in shroud	90%	90%	90%		
Pressure Gauge - before sampling	-28"HG	-20"HG	-27"HG		
Sample Time (Start)	10:31	11:17	12:24		
Sample Time (Stop)	12:41	12:03	14:51		
Total Sample Time (min)	130	46	147		
Pressure Gauge - after sampling	-3"HG	-2"HG	-2"HG		
Sample Volume	6L	6L	6L		
Canister Pressure Went to Ambient Pressure?	NO	NO	NO		
Final Tracer Gas Results in sampling line					
Final Tracer Gas Results in shroud					
Associated Ambient Air Sample Number					
Weather 24 hours before and during sampling					
General Comments					

ATTACHMENT C

LABORATORY ANALYTICAL PACKAGES



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

Report Date: 11/30/2017
Client Project ID: 100674401 460 West 41st St.
York Project (SDG) No.: 17K0876

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/30/2017
Client Project ID: 100674401 460 West 41st St.
York Project (SDG) No.: 17K0876

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 November 21, 2017 and listed below. The project was identified as your project: **100674401 460 West 41st St.**

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>
17K0876-01	LSB-4 (15-17)	Soil	11/20/2017	11/21/2017
17K0876-02	LSB-3 (15-17)	Soil	11/20/2017	11/21/2017
17K0876-03	LSB-1 (15-17)	Soil	11/20/2017	11/21/2017
17K0876-04	LSB-2 (15-17)	Soil	11/20/2017	11/21/2017
17K0876-05	LSB-9 (0-2)	Soil	11/20/2017	11/21/2017
17K0876-06	LSB-8 (0-2)	Soil	11/20/2017	11/21/2017
17K0876-07	LSB-7 (0-2)	Soil	11/20/2017	11/21/2017
17K0876-08	LSB-5 (1-3)	Soil	11/21/2017	11/21/2017
17K0876-09	DUP-1	Soil	11/21/2017	11/21/2017
17K0876-10	LSB-6 (1-3)	Soil	11/21/2017	11/21/2017
17K0876-11	LSB-11 (1-3)	Soil	11/21/2017	11/21/2017
17K0876-12	LSB-10 (1-3)	Soil	11/21/2017	11/21/2017
17K0876-13	FB-1	Water	11/21/2017	11/21/2017
17K0876-14	TB-1	Water	11/21/2017	11/21/2017

General Notes for York Project (SDG) No.: 17K0876

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: 11/30/2017





Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17K0876	100674401 460 West 41st St.	Soil	November 20, 2017 9:15 am	11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 12:52	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 12:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 9:15 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
67-64-1	Acetone	0.0084	CCV-E, SCAL-E, J	mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 9:15 am

11/21/2017

VOA, 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
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 12:52	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0 Surrogate: 1,2-Dichloroethane-d4

100 %

77-125

2037-26-5 Surrogate: Toluene-d8

99.3 %

85-120



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 9:15 am

11/21/2017

VOA, 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
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	94.8 %			76-130						

SVOA, 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	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 9:15 am

11/21/2017

SVOA, 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
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
62-53-3	Aniline	ND		mg/kg dry	0.202	0.403	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
92-87-5	Benzidine	ND		mg/kg dry	0.202	0.403	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 9:15 am

11/21/2017

SVOA, 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
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

<u>York Project (SDG) No.</u> 17K0876	<u>Client Project ID</u> 100674401 460 West 41st St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 20, 2017 9:15 am	<u>Date Received</u> 11/21/2017
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SVOA, 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
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
108-95-2	Phenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	64.1 %	20-108								
4165-62-2	Surrogate: Phenol-d5	64.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	57.8 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	56.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	67.1 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	50.3 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7010		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-36-0	Antimony	1.53		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-38-2	Arsenic	1.76		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-39-3	Barium	45.5		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.121	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 9:15 am

11/21/2017

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	ND		mg/kg dry	0.363	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-70-2	Calcium	1840		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-47-3	Chromium	10.2		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-48-4	Cobalt	5.84		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-50-8	Copper	20.0	B	mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7439-89-6	Iron	11700		mg/kg dry	2.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7439-92-1	Lead	32.9	B	mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7439-95-4	Magnesium	2210		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7439-96-5	Manganese	313		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-02-0	Nickel	ND		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-09-7	Potassium	713		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7782-49-2	Selenium	8.34	B	mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-22-4	Silver	ND		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-23-5	Sodium	140		mg/kg dry	12.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-28-0	Thallium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-62-2	Vanadium	13.3		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-66-6	Zinc	27.7		mg/kg dry	1.82	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML

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	0.0450		mg/kg dry	0.0363	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 16:34	SY

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 17K0876, 100674401 460 West 41st St., Soil, November 20, 2017 9:15 am, 11/21/2017

Sample Prepared by Method: % Solids Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: % Solids, 82.6, 0.100, 1, SM 2540G, 11/22/2017 11:27, 11/22/2017 14:35, TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Chromium, Hexavalent, ND, mg/kg dry, 0.605, 1, EPA 7196A, 11/27/2017 08:03, 11/27/2017 13:58, DM1

Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 17K0876, 100674401 460 West 41st St., Soil, November 20, 2017 10:00 am, 11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various compounds like Tetrachloroethane, Trichloroethane, etc., all with ND results.



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:00 am

11/21/2017

VOA, 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
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.086	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
78-93-3	2-Butanone	0.0037	J	mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
67-64-1	Acetone	0.0091	CCV-E, SCAL-E	mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

Client Project ID

Matrix

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17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:00 am

11/21/2017

VOA, 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
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

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Client Project ID

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100674401 460 West 41st St.

Soil

November 20, 2017 10:00 am

11/21/2017

VOA, 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
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 13:23	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	98.9 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	94.5 %			76-130						

SVOA, 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	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

Client Project ID

Matrix

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100674401 460 West 41st St.

Soil

November 20, 2017 10:00 am

11/21/2017

SVOA, 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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:00 am

11/21/2017

SVOA, 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
83-32-9	Acenaphthene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.205	0.410	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.205	0.410	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

Client Project ID

Matrix

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17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:00 am

11/21/2017

SVOA, 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
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
108-95-2	Phenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:00 am

11/21/2017

SVOA, 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
367-12-4	Surrogate: 2-Fluorophenol	56.5 %			20-108						
4165-62-2	Surrogate: Phenol-d5	59.7 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	46.0 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	45.4 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	50.2 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	37.0 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	12000		mg/kg dry	6.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-36-0	Antimony	1.44		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-38-2	Arsenic	1.24		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-39-3	Barium	59.6		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.123	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.369	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-70-2	Calcium	1600		mg/kg dry	6.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-47-3	Chromium	15.3		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-48-4	Cobalt	6.89		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-50-8	Copper	23.1	B	mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7439-89-6	Iron	16500		mg/kg dry	2.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7439-92-1	Lead	30.8	B	mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7439-95-4	Magnesium	3470		mg/kg dry	6.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7439-96-5	Manganese	183		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-02-0	Nickel	ND		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-09-7	Potassium	880		mg/kg dry	6.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

<u>York Project (SDG) No.</u> 17K0876	<u>Client Project ID</u> 100674401 460 West 41st St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 20, 2017 10:00 am	<u>Date Received</u> 11/21/2017
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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
7782-49-2	Selenium	12.6	B	mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-22-4	Silver	ND		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-23-5	Sodium	180		mg/kg dry	12.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-28-0	Thallium	ND		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-62-2	Vanadium	17.9		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-66-6	Zinc	44.4		mg/kg dry	1.85	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML

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	0.0727		mg/kg dry	0.0369	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 17:21	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	81.3		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

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	0.615	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

<u>York Project (SDG) No.</u> 17K0876	<u>Client Project ID</u> 100674401 460 West 41st St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 20, 2017 10:25 am	<u>Date Received</u> 11/21/2017
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Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:25 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 13:55	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 13:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.083	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

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17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:25 am

11/21/2017

VOA, 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
67-64-1	Acetone	0.0073	CCV-E, SCAL-E, J	mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS



Sample Information

Client Sample ID: LSB-1 (15-17)

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100674401 460 West 41st St.

Soil

November 20, 2017 10:25 am

11/21/2017

VOA, 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
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 13:55	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	77-125
2037-26-5	Surrogate: Toluene-d8	99.1 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	94.1 %	76-130



Sample Information

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100674401 460 West 41st St.

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November 20, 2017 10:25 am

11/21/2017

SVOA, 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	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR



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100674401 460 West 41st St.

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11/21/2017

SVOA, 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	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
62-53-3	Aniline	ND		mg/kg dry	0.204	0.409	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.409	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:25 am

11/21/2017

SVOA, 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	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:25 am

11/21/2017

SVOA, 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	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
108-95-2	Phenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	72.8 %	20-108								
4165-62-2	Surrogate: Phenol-d5	75.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	58.9 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	55.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	66.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	48.9 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	12500		mg/kg dry	6.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-36-0	Antimony	1.76		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-38-2	Arsenic	2.15		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-39-3	Barium	92.0		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.122	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.367	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-70-2	Calcium	1270		mg/kg dry	6.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-47-3	Chromium	16.3		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:25 am

11/21/2017

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
7440-48-4	Cobalt	9.59		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-50-8	Copper	22.6	B	mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7439-89-6	Iron	19500		mg/kg dry	2.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7439-92-1	Lead	16.6	B	mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7439-95-4	Magnesium	3490		mg/kg dry	6.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7439-96-5	Manganese	253		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-02-0	Nickel	ND		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-09-7	Potassium	1220		mg/kg dry	6.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7782-49-2	Selenium	15.5	B	mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-22-4	Silver	ND		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-23-5	Sodium	295		mg/kg dry	12.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-28-0	Thallium	ND		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-62-2	Vanadium	24.5		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-66-6	Zinc	39.5		mg/kg dry	1.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML

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	0.0439		mg/kg dry	0.0367	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 17:29	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	81.7		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 17K0876, 100674401 460 West 41st St., Soil, November 20, 2017 10:25 am, 11/21/2017

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9, Chromium, Hexavalent, ND, mg/kg dry, 0.612, 1, EPA 7196A, 11/27/2017 08:03, 11/27/2017 13:58, DM1

Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 17K0876, 100674401 460 West 41st St., Soil, November 20, 2017 10:45 am, 11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various compounds like 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:45 am

11/21/2017

VOA, 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	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
78-93-3	2-Butanone	0.0074		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
67-64-1	Acetone	0.013	CCV-E, SCAL-E	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

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100674401 460 West 41st St.

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November 20, 2017 10:45 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS



Sample Information

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100674401 460 West 41st St.

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11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 14:58	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.6 %	77-125								
2037-26-5	Surrogate: Toluene-d8	101 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	91.0 %	76-130								

SVOA, 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	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR



Sample Information

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100674401 460 West 41st St.

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November 20, 2017 10:45 am

11/21/2017

SVOA, 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
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR



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100674401 460 West 41st St.

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November 20, 2017 10:45 am

11/21/2017

SVOA, 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
62-53-3	Aniline	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:45 am

11/21/2017

SVOA, 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
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
108-95-2	Phenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	58.1 %	20-108								
4165-62-2	Surrogate: Phenol-d5	58.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	47.6 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	45.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	50.9 %	19-110								



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:45 am

11/21/2017

SVOA, 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
1718-51-0	Surrogate: Terphenyl-d14	37.7 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8180		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-36-0	Antimony	1.71		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-38-2	Arsenic	1.44		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-39-3	Barium	71.6		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.120	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.360	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-70-2	Calcium	23700		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-47-3	Chromium	11.1		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-48-4	Cobalt	6.15		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-50-8	Copper	15.8	B	mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7439-89-6	Iron	24900		mg/kg dry	2.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7439-92-1	Lead	119	B	mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7439-95-4	Magnesium	2530		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7439-96-5	Manganese	1660		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-02-0	Nickel	ND		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-09-7	Potassium	718		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7782-49-2	Selenium	19.3	B	mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-22-4	Silver	ND		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:45 am

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Sodium, Thallium, Vanadium, and Zinc.

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Mercury.

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes % Solids.

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Chromium, Hexavalent.

Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 12:50 pm

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

<u>York Project (SDG) No.</u> 17K0876	<u>Client Project ID</u> 100674401 460 West 41st St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 20, 2017 12:50 pm	<u>Date Received</u> 11/21/2017
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Sample Prepared by 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	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 15:30	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 15:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
78-93-3	2-Butanone	0.0050		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 12:50 pm

11/21/2017

VOA, 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
67-64-1	Acetone	0.011	CCV-E, SCAL-E	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

Client Project ID

Matrix

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17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 12:50 pm

11/21/2017

VOA, 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
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 15:30	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.3 %	77-125
2037-26-5	Surrogate: Toluene-d8	98.9 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	96.4 %	76-130



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

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17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 12:50 pm

11/21/2017

SVOA, 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	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR



Sample Information

Client Sample ID: LSB-9 (0-2)

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York Project (SDG) No.

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100674401 460 West 41st St.

Soil

November 20, 2017 12:50 pm

11/21/2017

SVOA, 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	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
83-32-9	Acenaphthene	0.0789	J	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
62-53-3	Aniline	ND		mg/kg dry	0.204	0.407	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
120-12-7	Anthracene	0.152		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.407	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
56-55-3	Benzo(a)anthracene	0.286		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
50-32-8	Benzo(a)pyrene	0.251		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
205-99-2	Benzo(b)fluoranthene	0.126		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
191-24-2	Benzo(g,h,i)perylene	0.141		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
207-08-9	Benzo(k)fluoranthene	0.143		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 12:50 pm

11/21/2017

SVOA, 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	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
218-01-9	Chrysene	0.344		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
206-44-0	Fluoranthene	0.440		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0902	J	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 12:50 pm

11/21/2017

SVOA, 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	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
85-01-8	Phenanthrene	0.444		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
108-95-2	Phenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
129-00-0	Pyrene	0.795		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	64.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	69.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	57.6 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	55.7 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	61.5 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	46.9 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10300		mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-36-0	Antimony	2.09		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-38-2	Arsenic	1.79		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-39-3	Barium	86.7		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.122	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.366	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-70-2	Calcium	6020		mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 12:50 pm

11/21/2017

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
7440-47-3	Chromium	14.4		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-48-4	Cobalt	7.52		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-50-8	Copper	16.3	B	mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7439-89-6	Iron	20500		mg/kg dry	2.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7439-92-1	Lead	49.4	B	mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7439-95-4	Magnesium	2880		mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7439-96-5	Manganese	988		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-02-0	Nickel	ND		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-09-7	Potassium	858		mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7782-49-2	Selenium	15.7	B	mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-22-4	Silver	ND		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-23-5	Sodium	1070		mg/kg dry	12.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-28-0	Thallium	ND		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-62-2	Vanadium	20.2		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-66-6	Zinc	50.7		mg/kg dry	1.83	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML

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	0.0794		mg/kg dry	0.0366	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 17:46	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
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Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

<u>York Project (SDG) No.</u> 17K0876	<u>Client Project ID</u> 100674401 460 West 41st St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 20, 2017 12:50 pm	<u>Date Received</u> 11/21/2017
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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	82.0		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

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	0.610	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

<u>York Project (SDG) No.</u> 17K0876	<u>Client Project ID</u> 100674401 460 West 41st St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 20, 2017 2:20 pm	<u>Date Received</u> 11/21/2017
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VOA, 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,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	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,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:02	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

VOA, 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
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
78-93-3	2-Butanone	0.0028	J	mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
67-64-1	Acetone	0.0072	CCV-E, SCAL-E, J	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

VOA, 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
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:02	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.7 %	77-125
2037-26-5	Surrogate: Toluene-d8	102 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	98.2 %	76-130

SVOA, 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	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

SVOA, 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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

SVOA, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.190	0.379	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.379	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

SVOA, 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
218-01-9	Chrysene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
206-44-0	Fluoranthene	0.0689	J	mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
108-95-2	Phenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

SVOA, 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
129-00-0	Pyrene	0.0696	J	mg/kg dry	0.0475	0.0947	2	EPA 8270D	11/28/2017 06:42	11/28/2017 15:18	SR
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
										Surrogate Recoveries	
										Acceptance Range	
367-12-4	Surrogate: 2-Fluorophenol	57.5 %									20-108
4165-62-2	Surrogate: Phenol-d5	64.1 %									23-114
4165-60-0	Surrogate: Nitrobenzene-d5	53.4 %									22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	54.3 %									21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	47.3 %									19-110
1718-51-0	Surrogate: Terphenyl-d14	47.0 %									24-116

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7429-90-5	Aluminum	10400		mg/kg dry	5.68	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	1.40		mg/kg dry	0.568	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	Arsenic	ND		mg/kg dry	1.14	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	84.6		mg/kg dry	1.14	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.114	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.341	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	Calcium	13000		mg/kg dry	5.68	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	15.1		mg/kg dry	0.568	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	8.98		mg/kg dry	0.568	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	34.5	B	mg/kg dry	0.568	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	16200		mg/kg dry	2.27	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	43.3	B	mg/kg dry	0.568	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	3900		mg/kg dry	5.68	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	298		mg/kg dry	0.568	1	EPA 6010C	11/28/2017 11:35	11/28/2017 22:54	BML	
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-09-7	Potassium	2290		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7782-49-2	Selenium	12.8	B	mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-22-4	Silver	ND		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-23-5	Sodium	742		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-62-2	Vanadium	19.6		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-66-6	Zinc	47.2		mg/kg dry	1.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML

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	0.207		mg/kg dry	0.0341	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 17:55	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	88.1		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

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	0.568	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:50 pm

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:34	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.059	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:50 pm

11/21/2017

VOA, 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
67-64-1	Acetone	0.0061	CCV-E, SCAL-E, J	mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

Client Project ID

Matrix

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17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:50 pm

11/21/2017

VOA, 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
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0088	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:34	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125
2037-26-5	Surrogate: Toluene-d8	97.2 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	97.3 %	76-130



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

Client Project ID

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17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:50 pm

11/21/2017

SVOA, 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	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

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17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:50 pm

11/21/2017

SVOA, 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	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

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Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:50 pm

11/21/2017

SVOA, 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	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

Client Project ID

Matrix

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17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:50 pm

11/21/2017

SVOA, 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	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
129-00-0	Pyrene	0.0492	J	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	2.75 %	S-09	20-108							
4165-62-2	Surrogate: Phenol-d5	27.1 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	45.3 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	44.9 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	2.42 %	S-09	19-110							
1718-51-0	Surrogate: Terphenyl-d14	38.1 %		24-116							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6810		mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-36-0	Antimony	2.24		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-38-2	Arsenic	1.13		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-39-3	Barium	49.4		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-70-2	Calcium	71600		mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:50 pm

11/21/2017

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
7440-47-3	Chromium	38.2		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-48-4	Cobalt	3.36		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-50-8	Copper	19.4	B	mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7439-89-6	Iron	9100		mg/kg dry	2.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7439-92-1	Lead	12.8	B	mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7439-95-4	Magnesium	3210		mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7439-96-5	Manganese	157		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-02-0	Nickel	1.29		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-09-7	Potassium	936		mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7782-49-2	Selenium	7.96	B	mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-22-4	Silver	ND		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-23-5	Sodium	496		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-62-2	Vanadium	13.1		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-66-6	Zinc	34.9		mg/kg dry	1.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0330	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:04	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
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Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

Client Project ID

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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	90.8		%	0.100	1	SM 2540G	11/22/2017 11:27	11/22/2017 14:35	TJM
							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	0.551	1	EPA 7196A	11/27/2017 08:03	11/27/2017 13:58	DM1
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:05 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	11/29/2017 07:30	11/29/2017 17:06	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	11/29/2017 07:30	11/29/2017 17:06	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	11/29/2017 07:30	11/29/2017 17:06	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	11/29/2017 07:30	11/29/2017 17:06	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058			
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	11/29/2017 07:30	11/29/2017 17:06	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	11/29/2017 07:30	11/29/2017 17:06	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	11/29/2017 07:30	11/29/2017 17:06	SS
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	11/29/2017 07:30	11/29/2017 17:06	SS
							Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	11/29/2017 07:30	11/29/2017 17:06	SS
							Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058			
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	11/29/2017 07:30	11/29/2017 17:06	SS
							Certifications:	NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP			



Sample Information

Client Sample ID: LSB-5 (1-3)

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100674401 460 West 41st St.

Soil

November 21, 2017 9:05 am

11/21/2017

VOA, 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
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
67-64-1	Acetone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:05 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:05 am

11/21/2017

VOA, 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
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 17:06	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	77-125
2037-26-5	Surrogate: Toluene-d8	98.3 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	95.0 %	76-130

SVOA, 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	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:05 am

11/21/2017

SVOA, 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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:05 am

11/21/2017

SVOA, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
85-68-7	Benzy butyl phthalate	0.572		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

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100674401 460 West 41st St.

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November 21, 2017 9:05 am

11/21/2017

SVOA, 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
218-01-9	Chrysene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	SR
206-44-0	Fluoranthene	0.0544	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	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	11/28/2017 06:42	11/28/2017 16:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
108-95-2	Phenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

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17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:05 am

11/21/2017

SVOA, 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
129-00-0	Pyrene	0.0569	J	mg/kg dry	0.0517	0.103	2	EPA 8270D	11/28/2017 06:42	11/28/2017 16:18	SR
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP		
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	67.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	66.7 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	64.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	60.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	63.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	51.1 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10700		mg/kg dry	6.18	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7440-36-0	Antimony	1.90		mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7440-38-2	Arsenic	3.08		mg/kg dry	1.24	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7440-39-3	Barium	100		mg/kg dry	1.24	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7440-41-7	Beryllium	ND		mg/kg dry	0.124	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7440-43-9	Cadmium	ND		mg/kg dry	0.371	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7440-70-2	Calcium	42300		mg/kg dry	6.18	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7440-47-3	Chromium	21.5		mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7440-48-4	Cobalt	7.53		mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7440-50-8	Copper	37.4	B	mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7439-89-6	Iron	13600		mg/kg dry	2.47	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7439-92-1	Lead	153	B	mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7439-95-4	Magnesium	5320		mg/kg dry	6.18	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	
7439-96-5	Manganese	277		mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
									Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

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100674401 460 West 41st St.

Soil

November 21, 2017 9:05 am

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/kg dry	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-09-7	Potassium	1730		mg/kg dry	6.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7782-49-2	Selenium	11.2	B	mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-22-4	Silver	ND		mg/kg dry	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-23-5	Sodium	663		mg/kg dry	12.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-28-0	Thallium	ND		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-62-2	Vanadium	20.0		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-66-6	Zinc	76.0		mg/kg dry	1.85	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML

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	0.255		mg/kg dry	0.0371	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:12	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	80.9		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

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	0.618	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

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17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 17:37	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 17:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.091	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

VOA, 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
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

VOA, 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
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 17:37	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.1 %	77-125
2037-26-5	Surrogate: Toluene-d8	97.3 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	95.7 %	76-130



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

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17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

SVOA, 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	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

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17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

SVOA, 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	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
62-53-3	Aniline	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
92-87-5	Benzidine	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

SVOA, 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	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

SVOA, 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	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
108-95-2	Phenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	71.4 %	20-108								
4165-62-2	Surrogate: Phenol-d5	74.7 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	57.7 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	55.3 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	63.5 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	45.9 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9940		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-36-0	Antimony	1.76		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-38-2	Arsenic	1.91		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-39-3	Barium	97.7		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.124	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.373	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-70-2	Calcium	10200		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-47-3	Chromium	19.4		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

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
7440-48-4	Cobalt	8.42		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-50-8	Copper	30.9	B	mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7439-89-6	Iron	15900		mg/kg dry	2.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7439-92-1	Lead	123	B	mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7439-95-4	Magnesium	3090		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7439-96-5	Manganese	256		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-02-0	Nickel	ND		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-09-7	Potassium	1570		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7782-49-2	Selenium	13.1	B	mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-22-4	Silver	ND		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-23-5	Sodium	455		mg/kg dry	12.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-28-0	Thallium	ND		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-62-2	Vanadium	20.9		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-66-6	Zinc	66.6		mg/kg dry	1.87	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML

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	0.218		mg/kg dry	0.0373	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:21	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	80.3		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9 Chromium, Hexavalent ND mg/kg dry 0.622 1 EPA 7196A 11/27/2017 08:03 11/27/2017 13:58 DM1

Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 630-20-6, 71-55-6, 79-34-5, 76-13-1, 79-00-5, 75-34-3, 75-35-4, 87-61-6, 96-18-4, 120-82-1, 95-63-6, 96-12-8, 106-93-4, 95-50-1.



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

VOA, 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	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
67-64-1	Acetone	0.010	CCV-E, SCAL-E	mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

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17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 18:09	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: Toluene-d8	99.7 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	111 %	76-130								

SVOA, 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	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

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17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

SVOA, 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
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
83-32-9	Acenaphthene	0.0879	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

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17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

SVOA, 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
62-53-3	Aniline	ND		mg/kg dry	0.193	0.386	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
120-12-7	Anthracene	0.0817	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
92-87-5	Benzidine	ND		mg/kg dry	0.193	0.386	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
56-55-3	Benzo(a)anthracene	0.0909	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
50-32-8	Benzo(a)pyrene	0.0948	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
205-99-2	Benzo(b)fluoranthene	0.103		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
191-24-2	Benzo(g,h,i)perylene	0.0578	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
207-08-9	Benzo(k)fluoranthene	0.0709	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
85-68-7	Benzyl butyl phthalate	0.0987		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0778	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
218-01-9	Chrysene	0.0840	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

SVOA, 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
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
206-44-0	Fluoranthene	0.193		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
86-73-7	Fluorene	0.0971		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.0524	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
85-01-8	Phenanthrene	0.199		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
108-95-2	Phenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
129-00-0	Pyrene	0.187		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH

Surrogate Recoveries	Result	Acceptance Range
367-12-4 Surrogate: 2-Fluorophenol	60.6 %	20-108
4165-62-2 Surrogate: Phenol-d5	62.8 %	23-114
4165-60-0 Surrogate: Nitrobenzene-d5	75.1 %	22-108
321-60-8 Surrogate: 2-Fluorobiphenyl	68.5 %	21-113



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

Matrix

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17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

SVOA, 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
118-79-6	Surrogate: 2,4,6-Tribromophenol	98.7 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	55.0 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9460		mg/kg dry	5.78	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-36-0	Antimony	1.47		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-39-3	Barium	63.8		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.116	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.347	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-70-2	Calcium	2200		mg/kg dry	5.78	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-47-3	Chromium	13.5		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-48-4	Cobalt	6.29		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-50-8	Copper	21.1	B	mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7439-89-6	Iron	13500		mg/kg dry	2.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7439-92-1	Lead	89.4	B	mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7439-95-4	Magnesium	2610		mg/kg dry	5.78	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7439-96-5	Manganese	170		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-02-0	Nickel	ND		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-09-7	Potassium	893		mg/kg dry	5.78	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7782-49-2	Selenium	10.9	B	mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-22-4	Silver	ND		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Sodium, Thallium, Vanadium, and Zinc.

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Mercury.

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes % Solids.

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Chromium, Hexavalent.

Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

<u>York Project (SDG) No.</u> 17K0876	<u>Client Project ID</u> 100674401 460 West 41st St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 21, 2017 11:00 am	<u>Date Received</u> 11/21/2017
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Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 18:41	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 18:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

VOA, 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
67-64-1	Acetone	0.0064	CCV-E, SCAL-E, J	mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

VOA, 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
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 18:41	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	94.7 %	76-130



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

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17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

SVOA, 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	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

SVOA, 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	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
56-55-3	Benzo(a)anthracene	0.111		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
50-32-8	Benzo(a)pyrene	0.111		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
205-99-2	Benzo(b)fluoranthene	0.111		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
191-24-2	Benzo(g,h,i)perylene	0.105		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
207-08-9	Benzo(k)fluoranthene	0.0971		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

SVOA, 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	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0628	J	mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
218-01-9	Chrysene	0.104		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
206-44-0	Fluoranthene	0.181		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.101		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

SVOA, 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	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
85-01-8	Phenanthrene	0.0964		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
129-00-0	Pyrene	0.170		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
	Surrogate Recoveries	Result						Acceptance Range			
367-12-4	Surrogate: 2-Fluorophenol	61.7 %						20-108			
4165-62-2	Surrogate: Phenol-d5	73.5 %						23-114			
4165-60-0	Surrogate: Nitrobenzene-d5	75.7 %						22-108			
321-60-8	Surrogate: 2-Fluorobiphenyl	71.2 %						21-113			
118-79-6	Surrogate: 2,4,6-Tribromophenol	73.1 %						19-110			
1718-51-0	Surrogate: Terphenyl-d14	62.4 %						24-116			

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8100		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-36-0	Antimony	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-38-2	Arsenic	2.83		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-39-3	Barium	107		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-70-2	Calcium	16200		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

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
7440-47-3	Chromium	12.2		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-48-4	Cobalt	7.02		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-50-8	Copper	28.8	B	mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7439-89-6	Iron	18000		mg/kg dry	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7439-92-1	Lead	60.0	B	mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7439-95-4	Magnesium	3070		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7439-96-5	Manganese	317		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-02-0	Nickel	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-09-7	Potassium	1330		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7782-49-2	Selenium	14.0	B	mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-22-4	Silver	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-23-5	Sodium	219		mg/kg dry	11.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-62-2	Vanadium	15.8		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-66-6	Zinc	74.9		mg/kg dry	1.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML

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	0.0957		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:38	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
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Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

<u>York Project (SDG) No.</u> 17K0876	<u>Client Project ID</u> 100674401 460 West 41st St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 21, 2017 11:00 am	<u>Date Received</u> 11/21/2017
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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	88.9		%	0.100	1	SM 2540G Certifications: CTDOH	11/27/2017 11:14	11/27/2017 13:10	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	0.562	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

<u>York Project (SDG) No.</u> 17K0876	<u>Client Project ID</u> 100674401 460 West 41st St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> November 21, 2017 11:50 am	<u>Date Received</u> 11/21/2017
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VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 19:13	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 19:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:50 am

11/21/2017

VOA, 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
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.
17K0876

Client Project ID
100674401 460 West 41st St.

Matrix
Soil

Collection Date/Time
November 21, 2017 11:50 am

Date Received
11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:50 am

11/21/2017

VOA, 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
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NJDEP,NELAC-NY 12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY 10854,NJDEP,NELAC-NY 12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NJDEP,NELAC-NY 12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NJDEP,NELAC-NY 12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NJDEP,NELAC-NY 12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NJDEP,NELAC-NY 12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NJDEP,NELAC-NY 12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NJDEP,NELAC-NY 12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NJDEP,NELAC-NY 12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NJDEP,NELAC-NY 12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY 10854,NJDEP,NELAC-NY 12058	11/29/2017 07:30	11/29/2017 19:13	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.8 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.1 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	94.5 %	76-130								

SVOA, 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	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY 10854,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY 10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY 10854,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY 10854,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:50 am

11/21/2017

SVOA, 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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:50 am

11/21/2017

SVOA, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
62-53-3	Aniline	ND		mg/kg dry	0.169	0.337	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
92-87-5	Benzidine	ND		mg/kg dry	0.169	0.337	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:50 am

11/21/2017

SVOA, 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
218-01-9	Chrysene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
108-95-2	Phenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:50 am

11/21/2017

SVOA, 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
129-00-0	Pyrene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	66.6 %			20-108						
4165-62-2	Surrogate: Phenol-d5	70.9 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	73.6 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	73.8 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	81.0 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	63.5 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	1210		mg/kg dry	5.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-36-0	Antimony	0.914		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-39-3	Barium	11.3		mg/kg dry	1.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.101	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.303	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-70-2	Calcium	688		mg/kg dry	5.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-47-3	Chromium	10.8		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-48-4	Cobalt	1.40		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-50-8	Copper	5.08	B	mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7439-89-6	Iron	4820		mg/kg dry	2.02	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7439-92-1	Lead	3.57	B	mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7439-95-4	Magnesium	457		mg/kg dry	5.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7439-96-5	Manganese	108		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:50 am

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-09-7	Potassium	367		mg/kg dry	5.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7782-49-2	Selenium	4.24	B	mg/kg dry	1.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-22-4	Silver	ND		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-23-5	Sodium	200		mg/kg dry	10.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-28-0	Thallium	ND		mg/kg dry	1.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-62-2	Vanadium	5.01		mg/kg dry	1.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-66-6	Zinc	5.81		mg/kg dry	1.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0303	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:47	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	99.0		%	0.100	1	SM 2540G Certifications: CTDOH	11/27/2017 11:14	11/27/2017 13:10	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	0.505	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1



Sample Information

Client Sample ID: FB-1

York Sample ID: 17K0876-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Water

November 21, 2017 12:40 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
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,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR



Sample Information

Client Sample ID: FB-1

York Sample ID: 17K0876-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Water

November 21, 2017 12:40 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
67-64-1	Acetone	1.07		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR



Sample Information

Client Sample ID: FB-1

York Sample ID: 17K0876-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Water

November 21, 2017 12:40 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:00	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:00	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 12:00	SR

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: FB-1

York Sample ID: 17K0876-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Water

November 21, 2017 12:40 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Surrogate: 1,2-Dichloroethane-d4, Surrogate: Toluene-d8, and Surrogate: p-Bromofluorobenzene.

Sample Information

Client Sample ID: TB-1

York Sample ID: 17K0876-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Water

November 21, 2017 1:00 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chlorinated hydrocarbons like 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.



Sample Information

Client Sample ID: TB-1

York Sample ID: 17K0876-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Water

November 21, 2017 1:00 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR



Sample Information

Client Sample ID: TB-1

York Sample ID: 17K0876-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Water

November 21, 2017 1:00 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR



Sample Information

Client Sample ID: TB-1

York Sample ID: 17K0876-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Water

November 21, 2017 1:00 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 12:27	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %	69-130								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	111 %	79-122								



Analytical Batch Summary

Batch ID: BK71113 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/22/17
17K0876-02	LSB-3 (15-17)	11/22/17
17K0876-03	LSB-1 (15-17)	11/22/17
17K0876-04	LSB-2 (15-17)	11/22/17
17K0876-05	LSB-9 (0-2)	11/22/17
17K0876-06	LSB-8 (0-2)	11/22/17
17K0876-07	LSB-7 (0-2)	11/22/17
17K0876-08	LSB-5 (1-3)	11/22/17
17K0876-09	DUP-1	11/22/17
17K0876-10	LSB-6 (1-3)	11/22/17

Batch ID: BK71149 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-10	LSB-6 (1-3)	11/27/17
17K0876-11	LSB-11 (1-3)	11/27/17
17K0876-12	LSB-10 (1-3)	11/27/17
BK71149-BLK1	Blank	11/27/17
BK71149-BS1	LCS	11/27/17
BK71149-MS1	Matrix Spike	11/27/17
BK71149-MSD1	Matrix Spike Dup	11/27/17

Batch ID: BK71157 **Preparation Method:** EPA SW846-3060 **Prepared By:** DM1

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/27/17
17K0876-02	LSB-3 (15-17)	11/27/17
17K0876-03	LSB-1 (15-17)	11/27/17
17K0876-04	LSB-2 (15-17)	11/27/17
17K0876-05	LSB-9 (0-2)	11/27/17
17K0876-06	LSB-8 (0-2)	11/27/17
17K0876-07	LSB-7 (0-2)	11/27/17
17K0876-08	LSB-5 (1-3)	11/27/17
17K0876-09	DUP-1	11/27/17
17K0876-10	LSB-6 (1-3)	11/27/17
17K0876-11	LSB-11 (1-3)	11/27/17
17K0876-12	LSB-10 (1-3)	11/27/17
BK71157-BLK1	Blank	11/27/17
BK71157-SRM1	Reference	11/27/17

Batch ID: BK71181 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-11	LSB-11 (1-3)	11/27/17



17K0876-12

LSB-10 (1-3)

11/27/17

Batch ID: BK71216

Preparation Method: EPA 3550C

Prepared By: SGM

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/28/17
17K0876-02	LSB-3 (15-17)	11/28/17
17K0876-03	LSB-1 (15-17)	11/28/17
17K0876-04	LSB-2 (15-17)	11/28/17
17K0876-05	LSB-9 (0-2)	11/28/17
17K0876-06	LSB-8 (0-2)	11/28/17
17K0876-07	LSB-7 (0-2)	11/28/17
17K0876-08	LSB-5 (1-3)	11/28/17
17K0876-09	DUP-1	11/28/17
BK71216-BLK1	Blank	11/28/17
BK71216-BS1	LCS	11/28/17

Batch ID: BK71263

Preparation Method: EPA 3050B

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/28/17
17K0876-02	LSB-3 (15-17)	11/28/17
17K0876-03	LSB-1 (15-17)	11/28/17
17K0876-04	LSB-2 (15-17)	11/28/17
17K0876-05	LSB-9 (0-2)	11/28/17
17K0876-06	LSB-8 (0-2)	11/28/17
17K0876-07	LSB-7 (0-2)	11/28/17
17K0876-08	LSB-5 (1-3)	11/28/17
17K0876-09	DUP-1	11/28/17
17K0876-10	LSB-6 (1-3)	11/28/17
17K0876-11	LSB-11 (1-3)	11/28/17
17K0876-12	LSB-10 (1-3)	11/28/17
BK71263-BLK1	Blank	11/28/17
BK71263-SRM1	Reference	11/28/17

Batch ID: BK71278

Preparation Method: EPA 7473 soil

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/28/17
17K0876-02	LSB-3 (15-17)	11/28/17
17K0876-03	LSB-1 (15-17)	11/28/17
17K0876-04	LSB-2 (15-17)	11/28/17
17K0876-05	LSB-9 (0-2)	11/28/17
17K0876-06	LSB-8 (0-2)	11/28/17
17K0876-07	LSB-7 (0-2)	11/28/17
17K0876-08	LSB-5 (1-3)	11/28/17
17K0876-09	DUP-1	11/28/17
17K0876-10	LSB-6 (1-3)	11/28/17
17K0876-11	LSB-11 (1-3)	11/28/17
17K0876-12	LSB-10 (1-3)	11/28/17



BK71278-BLK1	Blank	11/28/17
BK71278-DUP1	Duplicate	11/28/17
BK71278-MS1	Matrix Spike	11/28/17
BK71278-SRM1	Reference	11/28/17

Batch ID: BK71301 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/29/17
17K0876-02	LSB-3 (15-17)	11/29/17
17K0876-03	LSB-1 (15-17)	11/29/17
17K0876-04	LSB-2 (15-17)	11/29/17
17K0876-05	LSB-9 (0-2)	11/29/17
17K0876-06	LSB-8 (0-2)	11/29/17
17K0876-07	LSB-7 (0-2)	11/29/17
17K0876-08	LSB-5 (1-3)	11/29/17
17K0876-09	DUP-1	11/29/17
17K0876-10	LSB-6 (1-3)	11/29/17
17K0876-11	LSB-11 (1-3)	11/29/17
17K0876-12	LSB-10 (1-3)	11/29/17
BK71301-BLK1	Blank	11/29/17
BK71301-BS1	LCS	11/29/17
BK71301-BSD1	LCS Dup	11/29/17

Batch ID: BK71304 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-13	FB-1	11/29/17
17K0876-14	TB-1	11/29/17
BK71304-BLK1	Blank	11/29/17
BK71304-BS1	LCS	11/29/17
BK71304-BSD1	LCS Dup	11/29/17



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71301 - EPA 5035A

Blank (BK71301-BLK1)

Prepared & Analyzed: 11/29/2017

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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	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	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71301 - EPA 5035A

Blank (BK71301-BLK1)

Prepared & Analyzed: 11/29/2017

n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	49.8		ug/L	50.0		99.5	77-125				
<i>Surrogate: Toluene-d8</i>	49.3		"	50.0		98.6	85-120				
<i>Surrogate: p-Bromofluorobenzene</i>	46.6		"	50.0		93.2	76-130				

LCS (BK71301-BS1)

Prepared & Analyzed: 11/29/2017

1,1,1,2-Tetrachloroethane	52.4		ug/L	50.0		105	75-129				
1,1,1-Trichloroethane	55.8		"	50.0		112	71-137				
1,1,2,2-Tetrachloroethane	50.1		"	50.0		100	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	37.2		"	50.0		74.5	58-146				
1,1,2-Trichloroethane	51.4		"	50.0		103	83-123				
1,1-Dichloroethane	55.3		"	50.0		111	75-130				
1,1-Dichloroethylene	35.0		"	50.0		70.1	64-137				
1,2,3-Trichlorobenzene	58.2		"	50.0		116	81-140				
1,2,3-Trichloropropane	49.3		"	50.0		98.6	81-126				
1,2,4-Trichlorobenzene	58.0		"	50.0		116	80-141				
1,2,4-Trimethylbenzene	48.4		"	50.0		96.8	84-125				
1,2-Dibromo-3-chloropropane	51.4		"	50.0		103	74-142				
1,2-Dibromoethane	51.8		"	50.0		104	86-123				
1,2-Dichlorobenzene	51.1		"	50.0		102	85-122				
1,2-Dichloroethane	49.1		"	50.0		98.2	71-133				
1,2-Dichloropropane	51.1		"	50.0		102	81-122				
1,3,5-Trimethylbenzene	49.7		"	50.0		99.5	82-126				
1,3-Dichlorobenzene	51.1		"	50.0		102	84-124				
1,4-Dichlorobenzene	50.9		"	50.0		102	84-124				
1,4-Dioxane	1290		"	1000		129	10-228				
2-Butanone	50.4		"	50.0		101	58-147				
2-Hexanone	48.9		"	50.0		97.8	70-139				
4-Methyl-2-pentanone	47.5		"	50.0		95.0	72-132				
Acetone	28.7		"	50.0		57.4	36-155				
Acrolein	28.7		"	50.0		57.3	10-238				
Acrylonitrile	55.5		"	50.0		111	66-141				
Benzene	54.5		"	50.0		109	77-127				
Bromochloromethane	49.8		"	50.0		99.5	74-129				
Bromodichloromethane	54.4		"	50.0		109	81-124				



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

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

Batch BK71301 - EPA 5035A

LCS (BK71301-BS1)

Prepared & Analyzed: 11/29/2017

Bromoform	59.8		ug/L	50.0		120	80-136				
Bromomethane	29.7		"	50.0		59.3	32-177				
Carbon disulfide	34.6		"	50.0		69.2	10-136				
Carbon tetrachloride	56.0		"	50.0		112	66-143				
Chlorobenzene	52.0		"	50.0		104	86-120				
Chloroethane	30.0		"	50.0		60.1	51-142				
Chloroform	55.2		"	50.0		110	76-131				
Chloromethane	40.5		"	50.0		81.0	49-132				
cis-1,2-Dichloroethylene	55.0		"	50.0		110	74-132				
cis-1,3-Dichloropropylene	55.0		"	50.0		110	81-129				
Cyclohexane	52.1		"	50.0		104	70-130				
Dibromochloromethane	53.6		"	50.0		107	10-200				
Dibromomethane	51.0		"	50.0		102	83-124				
Dichlorodifluoromethane	56.5		"	50.0		113	28-158				
Ethyl Benzene	49.5		"	50.0		98.9	84-125				
Hexachlorobutadiene	60.2		"	50.0		120	83-133				
Isopropylbenzene	51.1		"	50.0		102	81-127				
Methyl acetate	26.8		"	50.0		53.6	41-143				
Methyl tert-butyl ether (MTBE)	56.6		"	50.0		113	74-131				
Methylcyclohexane	53.7		"	50.0		107	70-130				
Methylene chloride	32.3		"	50.0		64.6	57-141				
n-Butylbenzene	46.7		"	50.0		93.4	80-130				
n-Propylbenzene	49.4		"	50.0		98.8	74-136				
o-Xylene	50.2		"	50.0		100	83-123				
p- & m- Xylenes	97.2		"	100		97.2	82-128				
p-Isopropyltoluene	50.4		"	50.0		101	85-125				
sec-Butylbenzene	50.0		"	50.0		99.9	83-125				
Styrene	48.2		"	50.0		96.4	86-126				
tert-Butyl alcohol (TBA)	53.5		"	50.0		107	70-130				
tert-Butylbenzene	51.7		"	50.0		103	80-127				
Tetrachloroethylene	55.7		"	50.0		111	80-129				
Toluene	50.7		"	50.0		101	85-121				
trans-1,2-Dichloroethylene	56.0		"	50.0		112	72-132				
trans-1,3-Dichloropropylene	53.9		"	50.0		108	78-132				
Trichloroethylene	53.0		"	50.0		106	84-123				
Trichlorofluoromethane	39.6		"	50.0		79.3	62-140				
Vinyl Chloride	32.0		"	50.0		64.0	52-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>44.3</i>		<i>"</i>	<i>50.0</i>		<i>88.5</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>47.0</i>		<i>"</i>	<i>50.0</i>		<i>94.1</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>54.8</i>		<i>"</i>	<i>50.0</i>		<i>110</i>	<i>76-130</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit
Batch BK71301 - EPA 5035A										
LCS Dup (BK71301-BSD1)										
Prepared & Analyzed: 11/29/2017										
1,1,1,2-Tetrachloroethane	52.2		ug/L	50.0		104	75-129		0.440	30
1,1,1-Trichloroethane	58.2		"	50.0		116	71-137		4.14	30
1,1,2,2-Tetrachloroethane	51.9		"	50.0		104	79-129		3.41	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.4		"	50.0		76.8	58-146		3.09	30
1,1,2-Trichloroethane	52.3		"	50.0		105	83-123		1.77	30
1,1-Dichloroethane	58.3		"	50.0		117	75-130		5.33	30
1,1-Dichloroethylene	37.7		"	50.0		75.3	64-137		7.26	30
1,2,3-Trichlorobenzene	61.0		"	50.0		122	81-140		4.75	30
1,2,3-Trichloropropane	50.6		"	50.0		101	81-126		2.66	30
1,2,4-Trichlorobenzene	59.4		"	50.0		119	80-141		2.35	30
1,2,4-Trimethylbenzene	49.4		"	50.0		98.7	84-125		1.96	30
1,2-Dibromo-3-chloropropane	53.8		"	50.0		108	74-142		4.49	30
1,2-Dibromoethane	52.3		"	50.0		105	86-123		0.845	30
1,2-Dichlorobenzene	52.2		"	50.0		104	85-122		2.23	30
1,2-Dichloroethane	51.7		"	50.0		103	71-133		5.24	30
1,2-Dichloropropane	52.4		"	50.0		105	81-122		2.40	30
1,3,5-Trimethylbenzene	50.5		"	50.0		101	82-126		1.46	30
1,3-Dichlorobenzene	52.3		"	50.0		105	84-124		2.32	30
1,4-Dichlorobenzene	52.6		"	50.0		105	84-124		3.25	30
1,4-Dioxane	1380		"	1000		138	10-228		6.45	30
2-Butanone	52.3		"	50.0		105	58-147		3.82	30
2-Hexanone	49.8		"	50.0		99.6	70-139		1.88	30
4-Methyl-2-pentanone	46.8		"	50.0		93.6	72-132		1.53	30
Acetone	26.5		"	50.0		53.0	36-155		8.04	30
Acrolein	31.6		"	50.0		63.2	10-238		9.73	30
Acrylonitrile	58.9		"	50.0		118	66-141		5.91	30
Benzene	57.4		"	50.0		115	77-127		5.31	30
Bromochloromethane	52.3		"	50.0		105	74-129		5.00	30
Bromodichloromethane	55.2		"	50.0		110	81-124		1.48	30
Bromoform	60.9		"	50.0		122	80-136		1.76	30
Bromomethane	31.3		"	50.0		62.7	32-177		5.44	30
Carbon disulfide	36.3		"	50.0		72.6	10-136		4.83	30
Carbon tetrachloride	60.3		"	50.0		121	66-143		7.43	30
Chlorobenzene	53.4		"	50.0		107	86-120		2.64	30
Chloroethane	31.1		"	50.0		62.2	51-142		3.40	30
Chloroform	58.0		"	50.0		116	76-131		4.99	30
Chloromethane	41.8		"	50.0		83.7	49-132		3.28	30
cis-1,2-Dichloroethylene	57.6		"	50.0		115	74-132		4.65	30
cis-1,3-Dichloropropylene	55.0		"	50.0		110	81-129		0.0364	30
Cyclohexane	55.4		"	50.0		111	70-130		6.07	30
Dibromochloromethane	55.2		"	50.0		110	10-200		2.92	30
Dibromomethane	51.6		"	50.0		103	83-124		1.05	30
Dichlorodifluoromethane	60.6		"	50.0		121	28-158		7.12	30
Ethyl Benzene	50.5		"	50.0		101	84-125		2.08	30
Hexachlorobutadiene	61.4		"	50.0		123	83-133		2.01	30
Isopropylbenzene	52.2		"	50.0		104	81-127		1.99	30
Methyl acetate	28.6		"	50.0		57.3	41-143		6.57	30
Methyl tert-butyl ether (MTBE)	58.8		"	50.0		118	74-131		3.95	30
Methylcyclohexane	53.4		"	50.0		107	70-130		0.598	30
Methylene chloride	36.2		"	50.0		72.4	57-141		11.3	30
n-Butylbenzene	48.4		"	50.0		96.8	80-130		3.60	30



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

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

Batch BK71301 - EPA 5035A

LCS Dup (BK71301-BSD1)

Prepared & Analyzed: 11/29/2017

n-Propylbenzene	51.6		ug/L	50.0		103	74-136			4.34	30
o-Xylene	52.0		"	50.0		104	83-123			3.47	30
p- & m- Xylenes	98.5		"	100		98.5	82-128			1.31	30
p-Isopropyltoluene	50.2		"	50.0		100	85-125			0.298	30
sec-Butylbenzene	50.5		"	50.0		101	83-125			1.08	30
Styrene	50.0		"	50.0		99.9	86-126			3.54	30
tert-Butyl alcohol (TBA)	61.2		"	50.0		122	70-130			13.4	30
tert-Butylbenzene	52.8		"	50.0		106	80-127			2.07	30
Tetrachloroethylene	56.7		"	50.0		113	80-129			1.80	30
Toluene	52.2		"	50.0		104	85-121			2.88	30
trans-1,2-Dichloroethylene	58.7		"	50.0		117	72-132			4.59	30
trans-1,3-Dichloropropylene	54.4		"	50.0		109	78-132			0.960	30
Trichloroethylene	53.2		"	50.0		106	84-123			0.377	30
Trichlorofluoromethane	40.3		"	50.0		80.6	62-140			1.63	30
Vinyl Chloride	33.6		"	50.0		67.1	52-130			4.73	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>46.6</i>		<i>"</i>	<i>50.0</i>		<i>93.1</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>47.2</i>		<i>"</i>	<i>50.0</i>		<i>94.3</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>53.8</i>		<i>"</i>	<i>50.0</i>		<i>108</i>	<i>76-130</i>				

Batch BK71304 - EPA 5030B

Blank (BK71304-BLK1)

Prepared & Analyzed: 11/29/2017

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	"								
1,2,3-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-Butanone	ND	0.500	"								
2-Hexanone	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	"								
Bromochloromethane	ND	0.500	"								



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

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

Batch BK71304 - EPA 5030B

Blank (BK71304-BLK1)

Prepared & Analyzed: 11/29/2017

Bromodichloromethane	ND	0.500	ug/L								
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	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: 1,2-Dichloroethane-d4	9.63		"	10.0		96.3	69-130				
Surrogate: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: p-Bromofluorobenzene	11.5		"	10.0		115	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
Batch BK71304 - EPA 5030B										
LCS (BK71304-BS1)										
Prepared & Analyzed: 11/29/2017										
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0	101		82-126			
1,1,1-Trichloroethane	10.7		"	10.0	107		78-136			
1,1,2,2-Tetrachloroethane	10.2		"	10.0	102		76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0	109		54-165			
1,1,2-Trichloroethane	9.72		"	10.0	97.2		82-123			
1,1-Dichloroethane	10.9		"	10.0	109		82-129			
1,1-Dichloroethylene	11.2		"	10.0	112		68-138			
1,2,3-Trichlorobenzene	3.18		"	10.0	31.8		76-136	Low Bias		
1,2,3-Trichloropropane	10.1		"	10.0	101		77-128			
1,2,4-Trichlorobenzene	6.58		"	10.0	65.8		76-137	Low Bias		
1,2,4-Trimethylbenzene	11.2		"	10.0	112		82-132			
1,2-Dibromo-3-chloropropane	8.62		"	10.0	86.2		45-147			
1,2-Dibromoethane	9.45		"	10.0	94.5		83-124			
1,2-Dichlorobenzene	9.62		"	10.0	96.2		79-123			
1,2-Dichloroethane	10.7		"	10.0	107		73-132			
1,2-Dichloropropane	10.3		"	10.0	103		78-126			
1,3,5-Trimethylbenzene	11.1		"	10.0	111		80-131			
1,3-Dichlorobenzene	10.5		"	10.0	105		86-122			
1,3-Dichloropropane	9.84		"	10.0	98.4		81-125			
1,4-Dichlorobenzene	10.5		"	10.0	105		85-124			
1,4-Dioxane	114		"	200	56.9		10-349			
2-Butanone	10.4		"	10.0	104		49-152			
2-Hexanone	10.1		"	10.0	101		51-146			
4-Methyl-2-pentanone	10.4		"	10.0	104		57-145			
Acetone	9.91		"	10.0	99.1		14-150			
Acrolein	10.2		"	10.0	102		10-153			
Acrylonitrile	10.7		"	10.0	107		51-150			
Benzene	10.5		"	10.0	105		85-126			
Bromochloromethane	11.6		"	10.0	116		77-128			
Bromodichloromethane	10.1		"	10.0	101		79-128			
Bromoform	8.15		"	10.0	81.5		78-133			
Bromomethane	10.2		"	10.0	102		43-168			
Carbon disulfide	10.5		"	10.0	105		68-146			
Carbon tetrachloride	10.8		"	10.0	108		77-141			
Chlorobenzene	10.2		"	10.0	102		88-120			
Chloroethane	10.6		"	10.0	106		65-136			
Chloroform	10.2		"	10.0	102		82-128			
Chloromethane	12.2		"	10.0	122		43-155			
cis-1,2-Dichloroethylene	11.2		"	10.0	112		83-129			
cis-1,3-Dichloropropylene	10.0		"	10.0	100		80-131			
Cyclohexane	11.8		"	10.0	118		63-149			
Dibromochloromethane	9.30		"	10.0	93.0		80-130			
Dibromomethane	9.82		"	10.0	98.2		72-134			
Dichlorodifluoromethane	10.8		"	10.0	108		44-144			
Hexachlorobutadiene	9.22		"	10.0	92.2		67-146			
Isopropylbenzene	11.3		"	10.0	113		76-140			
Methyl acetate	11.2		"	10.0	112		51-139			
Methyl tert-butyl ether (MTBE)	9.55		"	10.0	95.5		76-135			
Methylcyclohexane	11.0		"	10.0	110		72-143			
Methylene chloride	11.4		"	10.0	114		55-137			
n-Butylbenzene	11.6		"	10.0	116		79-132			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71304 - EPA 5030B

LCS (BK71304-BS1)

Prepared & Analyzed: 11/29/2017

n-Propylbenzene	11.4		ug/L	10.0		114	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	22.1		"	20.0		110	77-133				
p-Diethylbenzene	11.2		"	10.0		112	84-134				
p-Ethyltoluene	11.1		"	10.0		111	88-129				
p-Isopropyltoluene	11.2		"	10.0		112	81-136				
sec-Butylbenzene	11.3		"	10.0		113	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	7.32		"	10.0		73.2	25-162				
tert-Butylbenzene	11.0		"	10.0		110	77-138				
Tetrachloroethylene	9.19		"	10.0		91.9	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132				
trans-1,3-Dichloropropylene	9.51		"	10.0		95.1	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	10.8		"	10.0		108	67-139				
Vinyl Chloride	11.6		"	10.0		116	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				

LCS Dup (BK71304-BSD1)

Prepared & Analyzed: 11/29/2017

1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126		2.36	30	
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136		1.12	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129		5.64	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165		2.35	30	
1,1,2-Trichloroethane	9.93		"	10.0		99.3	82-123		2.14	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		2.19	30	
1,1-Dichloroethylene	11.4		"	10.0		114	68-138		1.77	30	
1,2,3-Trichlorobenzene	6.63		"	10.0		66.3	76-136	Low Bias	70.3	30	Non-dir.
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		6.59	30	
1,2,4-Trichlorobenzene	7.24		"	10.0		72.4	76-137	Low Bias	9.55	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		3.18	30	
1,2-Dibromo-3-chloropropane	9.05		"	10.0		90.5	45-147		4.87	30	
1,2-Dibromoethane	9.78		"	10.0		97.8	83-124		3.43	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		3.97	30	
1,2-Dichloroethane	10.6		"	10.0		106	73-132		0.842	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		4.46	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		3.11	30	
1,3-Dichlorobenzene	10.8		"	10.0		108	86-122		3.38	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		3.40	30	
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124		0.190	30	
1,4-Dioxane	216		"	200		108	10-349		62.0	30	Non-dir.
2-Butanone	7.06		"	10.0		70.6	49-152		38.4	30	Non-dir.
2-Hexanone	10.7		"	10.0		107	51-146		6.44	30	
4-Methyl-2-pentanone	11.3		"	10.0		113	57-145		7.82	30	
Acetone	9.78		"	10.0		97.8	14-150		1.32	30	
Acrolein	9.93		"	10.0		99.3	10-153		2.39	30	
Acrylonitrile	10.6		"	10.0		106	51-150		0.281	30	
Benzene	10.7		"	10.0		107	85-126		2.17	30	
Bromochloromethane	11.8		"	10.0		118	77-128		1.11	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71304 - EPA 5030B

LCS Dup (BK71304-BSD1)

Prepared & Analyzed: 11/29/2017

Bromodichloromethane	10.4		ug/L	10.0	104	79-128			3.61	30
Bromoform	8.50		"	10.0	85.0	78-133			4.20	30
Bromomethane	10.1		"	10.0	101	43-168			0.394	30
Carbon disulfide	10.6		"	10.0	106	68-146			1.32	30
Carbon tetrachloride	10.8		"	10.0	108	77-141			0.371	30
Chlorobenzene	10.6		"	10.0	106	88-120			3.18	30
Chloroethane	10.6		"	10.0	106	65-136			0.376	30
Chloroform	10.4		"	10.0	104	82-128			2.24	30
Chloromethane	12.4		"	10.0	124	43-155			1.79	30
cis-1,2-Dichloroethylene	11.4		"	10.0	114	83-129			1.69	30
cis-1,3-Dichloropropylene	10.6		"	10.0	106	80-131			5.44	30
Cyclohexane	12.2		"	10.0	122	63-149			3.42	30
Dibromochloromethane	9.57		"	10.0	95.7	80-130			2.86	30
Dibromomethane	10.1		"	10.0	101	72-134			2.81	30
Dichlorodifluoromethane	10.8		"	10.0	108	44-144			0.277	30
Hexachlorobutadiene	10.4		"	10.0	104	67-146			12.0	30
Isopropylbenzene	11.7		"	10.0	117	76-140			3.13	30
Methyl acetate	11.4		"	10.0	114	51-139			1.86	30
Methyl tert-butyl ether (MTBE)	10.0		"	10.0	100	76-135			4.60	30
Methylcyclohexane	11.5		"	10.0	115	72-143			4.36	30
Methylene chloride	11.6		"	10.0	116	55-137			1.82	30
n-Butylbenzene	12.1		"	10.0	121	79-132			4.04	30
n-Propylbenzene	11.8		"	10.0	118	78-133			3.70	30
o-Xylene	10.9		"	10.0	109	78-130			2.23	30
p- & m- Xylenes	22.7		"	20.0	113	77-133			2.50	30
p-Diethylbenzene	11.7		"	10.0	117	84-134			4.10	30
p-Ethyltoluene	11.4		"	10.0	114	88-129			3.11	30
p-Isopropyltoluene	11.6		"	10.0	116	81-136			3.41	30
sec-Butylbenzene	11.7		"	10.0	117	79-137			3.22	30
Styrene	10.8		"	10.0	108	67-132			2.72	30
tert-Butyl alcohol (TBA)	7.32		"	10.0	73.2	25-162			0.00	30
tert-Butylbenzene	11.4		"	10.0	114	77-138			3.40	30
Tetrachloroethylene	9.44		"	10.0	94.4	82-131			2.68	30
Toluene	10.9		"	10.0	109	80-127			3.18	30
trans-1,2-Dichloroethylene	11.1		"	10.0	111	80-132			1.09	30
trans-1,3-Dichloropropylene	10.0		"	10.0	100	78-131			5.02	30
Trichloroethylene	10.5		"	10.0	105	82-128			3.88	30
Trichlorofluoromethane	10.7		"	10.0	107	67-139			0.744	30
Vinyl Chloride	11.4		"	10.0	114	58-145			0.870	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.89</i>		<i>"</i>	<i>10.0</i>	<i>98.9</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>	<i>101</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>	<i>107</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71149 - EPA 3550C

Blank (BK71149-BLK1)

Prepared & Analyzed: 11/27/2017

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
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Batch BK71149 - EPA 3550C

Blank (BK71149-BLK1)

Prepared & Analyzed: 11/27/2017

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	"								
<i>Surrogate: 2-Fluorophenol</i>	1.73		"	2.52		68.9	20-108				
<i>Surrogate: Phenol-d5</i>	1.85		"	2.55		72.4	23-114				
<i>Surrogate: Nitrobenzene-d5</i>	1.37		"	1.69		81.4	22-108				
<i>Surrogate: 2-Fluorobiphenyl</i>	1.36		"	1.83		74.6	21-113				
<i>Surrogate: 2,4,6-Tribromophenol</i>	2.61		"	2.53		103	19-110				
<i>Surrogate: Terphenyl-d14</i>	1.09		"	1.77		61.7	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 BK71149 - EPA 3550C											
LCS (BK71149-BS1)											
Prepared & Analyzed: 11/27/2017											
1,1-Biphenyl	0.645	0.0417	mg/kg wet	0.833		77.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.763	0.0833	"	0.833		91.6	21-131				
1,2,4-Trichlorobenzene	0.638	0.0417	"	0.833		76.6	10-140				
1,2-Dichlorobenzene	0.586	0.0417	"	0.833		70.3	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.519	0.0417	"	0.833		62.3	17-137				
1,3-Dichlorobenzene	0.568	0.0417	"	0.833		68.2	33-110				
1,4-Dichlorobenzene	0.572	0.0417	"	0.833		68.6	32-104				
2,3,4,6-Tetrachlorophenol	1.42	0.0833	"	0.833		170	30-130	High Bias			
2,4,5-Trichlorophenol	0.726	0.0417	"	0.833		87.1	27-118				
2,4,6-Trichlorophenol	0.725	0.0417	"	0.833		87.0	31-120				
2,4-Dichlorophenol	0.735	0.0417	"	0.833		88.2	20-127				
2,4-Dimethylphenol	0.744	0.0417	"	0.833		89.2	14-132				
2,4-Dinitrophenol	0.955	0.0833	"	0.833		115	10-171				
2,4-Dinitrotoluene	0.972	0.0417	"	0.833		117	34-131				
2,6-Dinitrotoluene	0.985	0.0417	"	0.833		118	31-128				
2-Chloronaphthalene	0.623	0.0417	"	0.833		74.7	31-117				
2-Chlorophenol	0.639	0.0417	"	0.833		76.7	33-113				
2-Methylnaphthalene	0.695	0.0417	"	0.833		83.4	12-138				
2-Methylphenol	0.628	0.0417	"	0.833		75.4	10-136				
2-Nitroaniline	0.795	0.0833	"	0.833		95.4	27-132				
2-Nitrophenol	0.958	0.0417	"	0.833		115	17-129				
3- & 4-Methylphenols	0.584	0.0417	"	0.833		70.0	29-103				
3,3-Dichlorobenzidine	0.667	0.0417	"	0.833		80.0	22-149				
3-Nitroaniline	0.706	0.0833	"	0.833		84.8	20-133				
4,6-Dinitro-2-methylphenol	1.07	0.0833	"	0.833		128	10-143				
4-Bromophenyl phenyl ether	0.783	0.0417	"	0.833		93.9	29-120				
4-Chloro-3-methylphenol	0.677	0.0417	"	0.833		81.2	24-129				
4-Chloroaniline	0.419	0.0417	"	0.833		50.3	10-132				
4-Chlorophenyl phenyl ether	0.710	0.0417	"	0.833		85.2	27-124				
4-Nitroaniline	0.748	0.0833	"	0.833		89.7	16-128				
4-Nitrophenol	0.647	0.0833	"	0.833		77.7	10-141				
Acenaphthene	0.671	0.0417	"	0.833		80.5	30-121				
Acenaphthylene	0.629	0.0417	"	0.833		75.4	30-115				
Acetophenone	0.583	0.0417	"	0.833		70.0	20-112				
Aniline	0.318	0.167	"	0.833		38.1	10-119				
Anthracene	0.744	0.0417	"	0.833		89.3	34-118				
Atrazine	0.765	0.0417	"	0.833		91.8	26-112				
Benzaldehyde	0.652	0.0417	"	0.833		78.2	21-100				
Benzo(a)anthracene	0.744	0.0417	"	0.833		89.2	32-122				
Benzo(a)pyrene	0.746	0.0417	"	0.833		89.5	29-133				
Benzo(b)fluoranthene	0.765	0.0417	"	0.833		91.8	25-133				
Benzo(g,h,i)perylene	0.757	0.0417	"	0.833		90.9	10-143				
Benzo(k)fluoranthene	0.699	0.0417	"	0.833		83.9	25-128				
Benzoic acid	0.717	0.0417	"	0.833		86.0	10-140				
Benzyl alcohol	0.582	0.0417	"	0.833		69.9	30-115				
Benzyl butyl phthalate	0.720	0.0417	"	0.833		86.4	26-126				
Bis(2-chloroethoxy)methane	0.688	0.0417	"	0.833		82.6	19-132				
Bis(2-chloroethyl)ether	0.784	0.0417	"	0.833		94.1	19-125				
Bis(2-chloroisopropyl)ether	0.498	0.0417	"	0.833		59.8	20-135				
Bis(2-ethylhexyl)phthalate	0.683	0.0417	"	0.833		81.9	10-155				
Caprolactam	0.664	0.0833	"	0.833		79.7	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71149 - EPA 3550C

LCS (BK71149-BS1)

Prepared & Analyzed: 11/27/2017

Carbazole	0.714	0.0417	mg/kg wet	0.833		85.6	35-123				
Chrysene	0.703	0.0417	"	0.833		84.3	32-123				
Dibenzo(a,h)anthracene	0.794	0.0417	"	0.833		95.3	10-136				
Dibenzofuran	0.634	0.0417	"	0.833		76.1	29-121				
Diethyl phthalate	0.649	0.0417	"	0.833		77.8	34-116				
Dimethyl phthalate	0.657	0.0417	"	0.833		78.9	35-124				
Di-n-butyl phthalate	0.716	0.0417	"	0.833		86.0	31-116				
Di-n-octyl phthalate	0.814	0.0417	"	0.833		97.7	26-136				
Fluoranthene	0.776	0.0417	"	0.833		93.1	33-122				
Fluorene	0.695	0.0417	"	0.833		83.4	29-123				
Hexachlorobenzene	0.516	0.0417	"	0.833		61.9	21-124				
Hexachlorobutadiene	0.667	0.0417	"	0.833		80.0	10-149				
Hexachlorocyclopentadiene	0.255	0.0417	"	0.833		30.6	10-129				
Hexachloroethane	0.538	0.0417	"	0.833		64.6	28-108				
Indeno(1,2,3-cd)pyrene	0.792	0.0417	"	0.833		95.1	10-135				
Isophorone	0.590	0.0417	"	0.833		70.8	20-132				
Naphthalene	0.644	0.0417	"	0.833		77.2	23-124				
Nitrobenzene	0.622	0.0417	"	0.833		74.6	13-132				
N-Nitrosodimethylamine	0.495	0.0417	"	0.833		59.4	11-129				
N-nitroso-di-n-propylamine	0.527	0.0417	"	0.833		63.2	24-119				
N-Nitrosodiphenylamine	0.775	0.0417	"	0.833		93.0	22-152				
Pentachlorophenol	0.821	0.0417	"	0.833		98.5	10-139				
Phenanthrene	0.725	0.0417	"	0.833		87.0	33-123				
Phenol	0.654	0.0417	"	0.833		78.5	23-115				
Pyrene	0.728	0.0417	"	0.833		87.4	32-130				
Surrogate: 2-Fluorophenol	1.81		"	2.52		71.9	20-108				
Surrogate: Phenol-d5	1.91		"	2.55		74.8	23-114				
Surrogate: Nitrobenzene-d5	1.41		"	1.69		83.4	22-108				
Surrogate: 2-Fluorobiphenyl	1.33		"	1.83		73.0	21-113				
Surrogate: 2,4,6-Tribromophenol	2.98		"	2.53		118	19-110				
Surrogate: Terphenyl-d14	1.19		"	1.77		67.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag	
Batch BK71149 - EPA 3550C												
Matrix Spike (BK71149-MS1)	*Source sample: 17K0876-12 (LSB-10 (1-3))						Prepared & Analyzed: 11/27/2017					
1,1-Biphenyl	0.715	0.0842	mg/kg dry	0.842	ND	85.0	10-130					
1,2,4,5-Tetrachlorobenzene	0.862	0.168	"	0.842	ND	102	10-133					
1,2,4-Trichlorobenzene	0.695	0.0842	"	0.842	ND	82.6	10-127					
1,2-Dichlorobenzene	0.614	0.0842	"	0.842	ND	72.9	14-111					
1,2-Diphenylhydrazine (as Azobenzene)	0.579	0.0842	"	0.842	ND	68.8	10-144					
1,3-Dichlorobenzene	0.599	0.0842	"	0.842	ND	71.2	11-111					
1,4-Dichlorobenzene	0.583	0.0842	"	0.842	ND	69.2	10-106					
2,3,4,6-Tetrachlorophenol	1.13	0.168	"	0.842	ND	134	30-130	High Bias				
2,4,5-Trichlorophenol	0.895	0.0842	"	0.842	ND	106	10-127					
2,4,6-Trichlorophenol	0.722	0.0842	"	0.842	ND	85.8	10-132					
2,4-Dichlorophenol	0.760	0.0842	"	0.842	ND	90.2	10-128					
2,4-Dimethylphenol	0.779	0.0842	"	0.842	ND	92.6	10-137					
2,4-Dinitrophenol	0.455	0.168	"	0.842	ND	54.0	10-171					
2,4-Dinitrotoluene	1.01	0.0842	"	0.842	ND	120	16-135					
2,6-Dinitrotoluene	1.06	0.0842	"	0.842	ND	125	18-131					
2-Chloronaphthalene	0.709	0.0842	"	0.842	ND	84.2	10-129					
2-Chlorophenol	0.638	0.0842	"	0.842	ND	75.8	15-116					
2-Methylnaphthalene	0.787	0.0842	"	0.842	ND	93.5	10-147					
2-Methylphenol	0.710	0.0842	"	0.842	ND	84.3	10-136					
2-Nitroaniline	0.881	0.168	"	0.842	ND	105	10-137					
2-Nitrophenol	0.937	0.0842	"	0.842	ND	111	10-129					
3- & 4-Methylphenols	0.641	0.0842	"	0.842	ND	76.2	10-123					
3,3-Dichlorobenzidine	0.686	0.0842	"	0.842	ND	81.4	10-155					
3-Nitroaniline	0.878	0.168	"	0.842	ND	104	12-133					
4,6-Dinitro-2-methylphenol	0.808	0.168	"	0.842	ND	96.0	10-155					
4-Bromophenyl phenyl ether	0.857	0.0842	"	0.842	ND	102	14-128					
4-Chloro-3-methylphenol	0.772	0.0842	"	0.842	ND	91.8	10-134					
4-Chloroaniline	0.413	0.0842	"	0.842	ND	49.0	10-145					
4-Chlorophenyl phenyl ether	0.804	0.0842	"	0.842	ND	95.5	14-130					
4-Nitroaniline	0.903	0.168	"	0.842	ND	107	10-147					
4-Nitrophenol	0.628	0.168	"	0.842	ND	74.6	10-137					
Acenaphthene	0.789	0.0842	"	0.842	ND	93.7	10-146					
Acenaphthylene	0.723	0.0842	"	0.842	ND	85.9	10-134					
Acetophenone	0.613	0.0842	"	0.842	ND	72.8	10-116					
Aniline	0.335	0.337	"	0.842	ND	39.8	10-123					
Anthracene	0.840	0.0842	"	0.842	ND	99.8	10-142					
Atrazine	0.824	0.0842	"	0.842	ND	97.8	19-115					
Benzaldehyde	0.690	0.0842	"	0.842	ND	82.0	10-125					
Benzo(a)anthracene	0.828	0.0842	"	0.842	ND	98.3	10-158					
Benzo(a)pyrene	0.813	0.0842	"	0.842	ND	96.6	10-180					
Benzo(b)fluoranthene	0.803	0.0842	"	0.842	ND	95.4	10-200					
Benzo(g,h,i)perylene	0.881	0.0842	"	0.842	ND	105	10-138					
Benzo(k)fluoranthene	0.741	0.0842	"	0.842	ND	88.1	10-197					
Benzoic acid	0.0875	0.0842	"	0.842	ND	10.4	10-166					
Benzyl alcohol	0.650	0.0842	"	0.842	ND	77.2	12-124					
Benzyl butyl phthalate	0.788	0.0842	"	0.842	ND	93.6	10-154					
Bis(2-chloroethoxy)methane	0.739	0.0842	"	0.842	ND	87.8	10-132					
Bis(2-chloroethyl)ether	0.656	0.0842	"	0.842	ND	77.9	10-119					
Bis(2-chloroisopropyl)ether	0.518	0.0842	"	0.842	ND	61.5	10-139					
Bis(2-ethylhexyl)phthalate	0.755	0.0842	"	0.842	ND	89.7	10-167					
Caprolactam	0.651	0.168	"	0.842	ND	77.4	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 BK71149 - EPA 3550C											
Matrix Spike (BK71149-MS1)	*Source sample: 17K0876-12 (LSB-10 (1-3))						Prepared & Analyzed: 11/27/2017				
Carbazole	0.802	0.0842	mg/kg dry	0.842	ND	95.3	10-167				
Chrysene	0.758	0.0842	"	0.842	ND	90.0	10-156				
Dibenzo(a,h)anthracene	0.892	0.0842	"	0.842	ND	106	10-137				
Dibenzofuran	0.752	0.0842	"	0.842	ND	89.4	10-147				
Diethyl phthalate	0.743	0.0842	"	0.842	ND	88.3	20-120				
Dimethyl phthalate	0.756	0.0842	"	0.842	ND	89.8	18-131				
Di-n-butyl phthalate	0.787	0.0842	"	0.842	ND	93.4	10-137				
Di-n-octyl phthalate	0.905	0.0842	"	0.842	ND	108	10-180				
Fluoranthene	0.856	0.0842	"	0.842	ND	102	10-160				
Fluorene	0.840	0.0842	"	0.842	ND	99.8	10-157				
Hexachlorobenzene	0.562	0.0842	"	0.842	ND	66.7	10-137				
Hexachlorobutadiene	0.694	0.0842	"	0.842	ND	82.4	10-132				
Hexachlorocyclopentadiene	0.165	0.0842	"	0.842	ND	19.6	10-106				
Hexachloroethane	0.543	0.0842	"	0.842	ND	64.5	10-110				
Indeno(1,2,3-cd)pyrene	0.903	0.0842	"	0.842	ND	107	10-144				
Isophorone	0.653	0.0842	"	0.842	ND	77.5	10-132				
Naphthalene	0.717	0.0842	"	0.842	ND	85.2	10-141				
Nitrobenzene	0.699	0.0842	"	0.842	ND	83.0	10-131				
N-Nitrosodimethylamine	0.515	0.0842	"	0.842	ND	61.2	10-126				
N-nitroso-di-n-propylamine	0.554	0.0842	"	0.842	ND	65.8	10-125				
N-Nitrosodiphenylamine	0.851	0.0842	"	0.842	ND	101	10-177				
Pentachlorophenol	0.517	0.0842	"	0.842	ND	61.4	10-153				
Phenanthrene	0.798	0.0842	"	0.842	ND	94.8	10-148				
Phenol	0.704	0.0842	"	0.842	ND	83.7	10-126				
Pyrene	0.804	0.0842	"	0.842	ND	95.5	10-165				
<i>Surrogate: 2-Fluorophenol</i>	<i>1.83</i>		<i>"</i>	<i>2.54</i>		<i>71.8</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>2.03</i>		<i>"</i>	<i>2.58</i>		<i>78.7</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.51</i>		<i>"</i>	<i>1.70</i>		<i>88.4</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.54</i>		<i>"</i>	<i>1.85</i>		<i>83.7</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>2.63</i>		<i>"</i>	<i>2.56</i>		<i>103</i>	<i>19-110</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1.27</i>		<i>"</i>	<i>1.78</i>		<i>71.3</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 BK71149 - EPA 3550C											
Matrix Spike Dup (BK71149-MSD1)			*Source sample: 17K0876-12 (LSB-10 (1-3))				Prepared & Analyzed: 11/27/2017				
1,1-Biphenyl	0.676	0.0842	mg/kg dry	0.842	ND	80.3	10-130		5.61	30	
1,2,4,5-Tetrachlorobenzene	0.774	0.168	"	0.842	ND	91.9	10-133		10.8	30	
1,2,4-Trichlorobenzene	0.629	0.0842	"	0.842	ND	74.7	10-127		9.97	30	
1,2-Dichlorobenzene	0.583	0.0842	"	0.842	ND	69.2	14-111		5.18	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.542	0.0842	"	0.842	ND	64.4	10-144		6.61	30	
1,3-Dichlorobenzene	0.546	0.0842	"	0.842	ND	64.9	11-111		9.29	30	
1,4-Dichlorobenzene	0.572	0.0842	"	0.842	ND	67.9	10-106		1.87	30	
2,3,4,6-Tetrachlorophenol	0.999	0.168	"	0.842	ND	119	30-130		12.4	30	
2,4,5-Trichlorophenol	0.772	0.0842	"	0.842	ND	91.7	10-127		14.8	30	
2,4,6-Trichlorophenol	0.708	0.0842	"	0.842	ND	84.1	10-132		1.98	30	
2,4-Dichlorophenol	0.719	0.0842	"	0.842	ND	85.4	10-128		5.46	30	
2,4-Dimethylphenol	0.705	0.0842	"	0.842	ND	83.8	10-137		9.98	30	
2,4-Dinitrophenol	0.339	0.168	"	0.842	ND	40.2	10-171		29.2	30	
2,4-Dinitrotoluene	0.986	0.0842	"	0.842	ND	117	16-135		2.63	30	
2,6-Dinitrotoluene	0.950	0.0842	"	0.842	ND	113	18-131		10.5	30	
2-Chloronaphthalene	0.659	0.0842	"	0.842	ND	78.2	10-129		7.39	30	
2-Chlorophenol	0.640	0.0842	"	0.842	ND	76.0	15-116		0.316	30	
2-Methylnaphthalene	0.706	0.0842	"	0.842	ND	83.9	10-147		10.8	30	
2-Methylphenol	0.657	0.0842	"	0.842	ND	78.1	10-136		7.68	30	
2-Nitroaniline	0.805	0.168	"	0.842	ND	95.6	10-137		9.03	30	
2-Nitrophenol	0.915	0.0842	"	0.842	ND	109	10-129		2.47	30	
3- & 4-Methylphenols	0.597	0.0842	"	0.842	ND	71.0	10-123		7.07	30	
3,3-Dichlorobenzidine	0.651	0.0842	"	0.842	ND	77.4	10-155		5.14	30	
3-Nitroaniline	0.783	0.168	"	0.842	ND	93.0	12-133		11.4	30	
4,6-Dinitro-2-methylphenol	0.741	0.168	"	0.842	ND	88.1	10-155		8.60	30	
4-Bromophenyl phenyl ether	0.799	0.0842	"	0.842	ND	95.0	14-128		6.99	30	
4-Chloro-3-methylphenol	0.685	0.0842	"	0.842	ND	81.4	10-134		12.0	30	
4-Chloroaniline	0.406	0.0842	"	0.842	ND	48.2	10-145		1.64	30	
4-Chlorophenyl phenyl ether	0.743	0.0842	"	0.842	ND	88.3	14-130		7.83	30	
4-Nitroaniline	0.764	0.168	"	0.842	ND	90.7	10-147		16.7	30	
4-Nitrophenol	0.737	0.168	"	0.842	ND	87.6	10-137		16.1	30	
Acenaphthene	0.690	0.0842	"	0.842	ND	82.0	10-146		13.3	30	
Acenaphthylene	0.663	0.0842	"	0.842	ND	78.7	10-134		8.75	30	
Acetophenone	0.574	0.0842	"	0.842	ND	68.2	10-116		6.58	30	
Aniline	0.339	0.337	"	0.842	ND	40.2	10-123		1.20	30	
Anthracene	0.764	0.0842	"	0.842	ND	90.7	10-142		9.49	30	
Atrazine	0.736	0.0842	"	0.842	ND	87.4	19-115		11.2	30	
Benzaldehyde	0.627	0.0842	"	0.842	ND	74.5	10-125		9.61	30	
Benzo(a)anthracene	0.770	0.0842	"	0.842	ND	91.4	10-158		7.25	30	
Benzo(a)pyrene	0.781	0.0842	"	0.842	ND	92.8	10-180		3.97	30	
Benzo(b)fluoranthene	0.780	0.0842	"	0.842	ND	92.6	10-200		2.89	30	
Benzo(g,h,i)perylene	0.834	0.0842	"	0.842	ND	99.0	10-138		5.50	30	
Benzo(k)fluoranthene	0.735	0.0842	"	0.842	ND	87.3	10-197		0.912	30	
Benzoic acid	0.0869	0.0842	"	0.842	ND	10.3	10-166		0.772	30	
Benzyl alcohol	0.611	0.0842	"	0.842	ND	72.6	12-124		6.09	30	
Benzyl butyl phthalate	0.727	0.0842	"	0.842	ND	86.3	10-154		8.09	30	
Bis(2-chloroethoxy)methane	0.665	0.0842	"	0.842	ND	79.0	10-132		10.5	30	
Bis(2-chloroethyl)ether	0.599	0.0842	"	0.842	ND	71.2	10-119		9.01	30	
Bis(2-chloroisopropyl)ether	0.478	0.0842	"	0.842	ND	56.8	10-139		7.98	30	
Bis(2-ethylhexyl)phthalate	0.695	0.0842	"	0.842	ND	82.6	10-167		8.27	30	
Caprolactam	0.616	0.168	"	0.842	ND	73.1	10-132		5.64	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 BK71149 - EPA 3550C											
Matrix Spike Dup (BK71149-MSD1)	*Source sample: 17K0876-12 (LSB-10 (1-3))					Prepared & Analyzed: 11/27/2017					
Carbazole	0.710	0.0842	mg/kg dry	0.842	ND	84.3	10-167		12.2	30	
Chrysene	0.706	0.0842	"	0.842	ND	83.9	10-156		6.99	30	
Dibenzo(a,h)anthracene	0.829	0.0842	"	0.842	ND	98.5	10-137		7.36	30	
Dibenzofuran	0.688	0.0842	"	0.842	ND	81.7	10-147		8.98	30	
Diethyl phthalate	0.676	0.0842	"	0.842	ND	80.3	20-120		9.49	30	
Dimethyl phthalate	0.680	0.0842	"	0.842	ND	80.8	18-131		10.5	30	
Di-n-butyl phthalate	0.696	0.0842	"	0.842	ND	82.7	10-137		12.2	30	
Di-n-octyl phthalate	0.834	0.0842	"	0.842	ND	99.1	10-180		8.13	30	
Fluoranthene	0.783	0.0842	"	0.842	ND	93.0	10-160		8.96	30	
Fluorene	0.737	0.0842	"	0.842	ND	87.6	10-157		13.1	30	
Hexachlorobenzene	0.558	0.0842	"	0.842	ND	66.2	10-137		0.722	30	
Hexachlorobutadiene	0.612	0.0842	"	0.842	ND	72.7	10-132		12.5	30	
Hexachlorocyclopentadiene	0.138	0.0842	"	0.842	ND	16.4	10-106		17.8	30	
Hexachloroethane	0.506	0.0842	"	0.842	ND	60.1	10-110		7.06	30	
Indeno(1,2,3-cd)pyrene	0.829	0.0842	"	0.842	ND	98.5	10-144		8.55	30	
Isophorone	0.607	0.0842	"	0.842	ND	72.2	10-132		7.16	30	
Naphthalene	0.667	0.0842	"	0.842	ND	79.2	10-141		7.30	30	
Nitrobenzene	0.664	0.0842	"	0.842	ND	78.9	10-131		5.14	30	
N-Nitrosodimethylamine	0.489	0.0842	"	0.842	ND	58.1	10-126		5.23	30	
N-nitroso-di-n-propylamine	0.523	0.0842	"	0.842	ND	62.1	10-125		5.76	30	
N-Nitrosodiphenylamine	0.787	0.0842	"	0.842	ND	93.5	10-177		7.81	30	
Pentachlorophenol	0.468	0.0842	"	0.842	ND	55.6	10-153		9.98	30	
Phenanthrene	0.741	0.0842	"	0.842	ND	88.1	10-148		7.35	30	
Phenol	0.615	0.0842	"	0.842	ND	73.0	10-126		13.6	30	
Pyrene	0.746	0.0842	"	0.842	ND	88.6	10-165		7.56	30	
<i>Surrogate: 2-Fluorophenol</i>	<i>1.73</i>		<i>"</i>	<i>2.54</i>		<i>68.0</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>1.96</i>		<i>"</i>	<i>2.58</i>		<i>76.1</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.40</i>		<i>"</i>	<i>1.70</i>		<i>82.2</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.46</i>		<i>"</i>	<i>1.85</i>		<i>79.1</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>2.62</i>		<i>"</i>	<i>2.56</i>		<i>102</i>	<i>19-110</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1.15</i>		<i>"</i>	<i>1.78</i>		<i>64.5</i>	<i>24-116</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71216 - EPA 3550C

Blank (BK71216-BLK1)

Prepared & Analyzed: 11/28/2017

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
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Batch BK71216 - EPA 3550C

Blank (BK71216-BLK1)

Prepared & Analyzed: 11/28/2017

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	"								
Surrogate: 2-Fluorophenol	2.04		"	2.52		80.9	20-108				
Surrogate: Phenol-d5	2.02		"	2.55		79.2	23-114				
Surrogate: Nitrobenzene-d5	1.29		"	1.69		76.6	22-108				
Surrogate: 2-Fluorobiphenyl	1.30		"	1.83		71.1	21-113				
Surrogate: 2,4,6-Tribromophenol	1.92		"	2.53		75.8	19-110				
Surrogate: Terphenyl-d14	1.08		"	1.77		61.2	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71216 - EPA 3550C											
LCS (BK71216-BS1)											
											Prepared & Analyzed: 11/28/2017
1,1-Biphenyl	0.648	0.0417	mg/kg wet	0.833		77.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.802	0.0833	"	0.833		96.2	21-131				
1,2,4-Trichlorobenzene	0.672	0.0417	"	0.833		80.7	10-140				
1,2-Dichlorobenzene	0.638	0.0417	"	0.833		76.6	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.165	0.0417	"	0.833		19.8	17-137				
1,3-Dichlorobenzene	0.608	0.0417	"	0.833		72.9	33-110				
1,4-Dichlorobenzene	0.626	0.0417	"	0.833		75.2	32-104				
2,3,4,6-Tetrachlorophenol	1.48	0.0833	"	0.833		178	30-130	High Bias			
2,4,5-Trichlorophenol	0.612	0.0417	"	0.833		73.4	27-118				
2,4,6-Trichlorophenol	0.663	0.0417	"	0.833		79.6	31-120				
2,4-Dichlorophenol	0.716	0.0417	"	0.833		85.9	20-127				
2,4-Dimethylphenol	0.757	0.0417	"	0.833		90.9	14-132				
2,4-Dinitrophenol	0.528	0.0833	"	0.833		63.4	10-171				
2,4-Dinitrotoluene	0.730	0.0417	"	0.833		87.6	34-131				
2,6-Dinitrotoluene	0.764	0.0417	"	0.833		91.7	31-128				
2-Chloronaphthalene	0.663	0.0417	"	0.833		79.6	31-117				
2-Chlorophenol	0.709	0.0417	"	0.833		85.1	33-113				
2-Methylnaphthalene	0.738	0.0417	"	0.833		88.6	12-138				
2-Methylphenol	0.622	0.0417	"	0.833		74.6	10-136				
2-Nitroaniline	0.761	0.0833	"	0.833		91.3	27-132				
2-Nitrophenol	0.729	0.0417	"	0.833		87.5	17-129				
3- & 4-Methylphenols	0.544	0.0417	"	0.833		65.2	29-103				
3,3-Dichlorobenzidine	0.542	0.0417	"	0.833		65.0	22-149				
3-Nitroaniline	0.586	0.0833	"	0.833		70.4	20-133				
4,6-Dinitro-2-methylphenol	0.636	0.0833	"	0.833		76.3	10-143				
4-Bromophenyl phenyl ether	0.699	0.0417	"	0.833		83.8	29-120				
4-Chloro-3-methylphenol	0.719	0.0417	"	0.833		86.3	24-129				
4-Chloroaniline	0.438	0.0417	"	0.833		52.5	10-132				
4-Chlorophenyl phenyl ether	0.674	0.0417	"	0.833		80.9	27-124				
4-Nitroaniline	0.680	0.0833	"	0.833		81.6	16-128				
4-Nitrophenol	0.698	0.0833	"	0.833		83.8	10-141				
Acenaphthene	0.718	0.0417	"	0.833		86.1	30-121				
Acenaphthylene	0.671	0.0417	"	0.833		80.6	30-115				
Acetophenone	0.594	0.0417	"	0.833		71.2	20-112				
Aniline	0.373	0.167	"	0.833		44.8	10-119				
Anthracene	0.744	0.0417	"	0.833		89.3	34-118				
Atrazine	0.717	0.0417	"	0.833		86.0	26-112				
Benzaldehyde	0.628	0.0417	"	0.833		75.4	21-100				
Benzo(a)anthracene	0.764	0.0417	"	0.833		91.6	32-122				
Benzo(a)pyrene	0.765	0.0417	"	0.833		91.8	29-133				
Benzo(b)fluoranthene	0.749	0.0417	"	0.833		89.8	25-133				
Benzo(g,h,i)perylene	0.748	0.0417	"	0.833		89.7	10-143				
Benzo(k)fluoranthene	0.759	0.0417	"	0.833		91.1	25-128				
Benzoic acid	0.630	0.0417	"	0.833		75.6	10-140				
Benzyl alcohol	0.659	0.0417	"	0.833		79.1	30-115				
Benzyl butyl phthalate	0.781	0.0417	"	0.833		93.7	26-126				
Bis(2-chloroethoxy)methane	0.765	0.0417	"	0.833		91.8	19-132				
Bis(2-chloroethyl)ether	0.761	0.0417	"	0.833		91.3	19-125				
Bis(2-chloroisopropyl)ether	0.726	0.0417	"	0.833		87.1	20-135				
Bis(2-ethylhexyl)phthalate	0.745	0.0417	"	0.833		89.4	10-155				
Caprolactam	0.633	0.0833	"	0.833		75.9	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71216 - EPA 3550C

LCS (BK71216-BS1)

Prepared & Analyzed: 11/28/2017

Carbazole	0.725	0.0417	mg/kg wet	0.833		87.0	35-123				
Chrysene	0.763	0.0417	"	0.833		91.6	32-123				
Dibenzo(a,h)anthracene	0.749	0.0417	"	0.833		89.9	10-136				
Dibenzofuran	0.678	0.0417	"	0.833		81.3	29-121				
Diethyl phthalate	0.667	0.0417	"	0.833		80.1	34-116				
Dimethyl phthalate	0.648	0.0417	"	0.833		77.8	35-124				
Di-n-butyl phthalate	0.710	0.0417	"	0.833		85.2	31-116				
Di-n-octyl phthalate	0.760	0.0417	"	0.833		91.2	26-136				
Fluoranthene	0.763	0.0417	"	0.833		91.5	33-122				
Fluorene	0.703	0.0417	"	0.833		84.4	29-123				
Hexachlorobenzene	0.675	0.0417	"	0.833		81.0	21-124				
Hexachlorobutadiene	0.659	0.0417	"	0.833		79.1	10-149				
Hexachlorocyclopentadiene	0.210	0.0417	"	0.833		25.2	10-129				
Hexachloroethane	0.638	0.0417	"	0.833		76.5	28-108				
Indeno(1,2,3-cd)pyrene	0.745	0.0417	"	0.833		89.4	10-135				
Isophorone	0.689	0.0417	"	0.833		82.6	20-132				
Naphthalene	0.706	0.0417	"	0.833		84.8	23-124				
Nitrobenzene	0.672	0.0417	"	0.833		80.6	13-132				
N-Nitrosodimethylamine	0.620	0.0417	"	0.833		74.4	11-129				
N-nitroso-di-n-propylamine	0.608	0.0417	"	0.833		72.9	24-119				
N-Nitrosodiphenylamine	0.846	0.0417	"	0.833		102	22-152				
Pentachlorophenol	0.509	0.0417	"	0.833		61.1	10-139				
Phenanthrene	0.755	0.0417	"	0.833		90.6	33-123				
Phenol	0.809	0.0417	"	0.833		97.0	23-115				
Pyrene	0.789	0.0417	"	0.833		94.6	32-130				
Surrogate: 2-Fluorophenol	2.13		"	2.52		84.5	20-108				
Surrogate: Phenol-d5	2.18		"	2.55		85.7	23-114				
Surrogate: Nitrobenzene-d5	1.41		"	1.69		83.8	22-108				
Surrogate: 2-Fluorobiphenyl	1.36		"	1.83		74.5	21-113				
Surrogate: 2,4,6-Tribromophenol	2.18		"	2.53		86.1	19-110				
Surrogate: Terphenyl-d14	1.15		"	1.77		64.8	24-116				



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

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

Batch BK71263 - EPA 3050B

Blank (BK71263-BLK1)

Prepared & Analyzed: 11/28/2017

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	1.65	0.500	"								
Iron	ND	2.00	"								
Lead	0.813	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	1.37	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.50	"								

Reference (BK71263-SRM1)

Prepared & Analyzed: 11/28/2017

Aluminum	7700	5.00	mg/kg wet	8090	95.2	49.8-149.6					
Antimony	93.4	0.500	"	99.3	94.0	0.5-207.5					
Arsenic	98.3	1.00	"	100	98.3	80.9-120					
Barium	212	1.00	"	217	97.7	81.6-118.4					
Beryllium	148	0.100	"	147	101	81.6-119.1					
Cadmium	82.3	0.300	"	83.7	98.3	81.2-118.9					
Calcium	5840	5.00	"	6010	97.1	80.9-119					
Chromium	101	0.500	"	107	94.3	77.5-121.5					
Cobalt	124	0.500	"	123	101	82.1-117.9					
Copper	178	0.500	"	166	107	80.7-118.7					
Iron	12900	2.00	"	14600	88.2	45.1-154.8					
Lead	87.6	0.500	"	88.4	99.1	81.2-118.8					
Magnesium	2840	5.00	"	2930	96.8	74.7-125.3					
Manganese	320	0.500	"	311	103	80.1-119.9					
Nickel	34.9	0.500	"	49.8	70.0	80.9-118.9	Low Bias				
Potassium	2570	5.00	"	2620	98.2	69.1-130.9					
Selenium	93.4	1.00	"	87.7	107	76.1-124.3					
Silver	35.3	0.500	"	41.4	85.2	73.7-126.1					
Sodium	248	10.0	"	252	98.6	69.1-131.4					
Thallium	59.2	1.00	"	58.1	102	77.6-122.6					
Vanadium	133	1.00	"	140	95.1	76.4-122.9					
Zinc	140	1.50	"	145	96.5	82.1-117.9					



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 BK71278 - EPA 7473 soil											
Blank (BK71278-BLK1)										Prepared & Analyzed: 11/28/2017	
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BK71278-DUP1)										*Source sample: 17K0876-01 (LSB-4 (15-17))	
Prepared & Analyzed: 11/28/2017											
Mercury	ND	0.0363	mg/kg dry		0.0450						35
Matrix Spike (BK71278-MS1)										*Source sample: 17K0876-01 (LSB-4 (15-17))	
Prepared & Analyzed: 11/28/2017											
Mercury	0.508		mg/kg	0.500	0.0372	94.2	75-125				
Reference (BK71278-SRM1)										Prepared & Analyzed: 11/28/2017	
Mercury	14.107		mg/kg	13.8		102	51.4-168.8				



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 BK71157 - EPA SW846-3060											
Blank (BK71157-BLK1)											
Chromium, Hexavalent	ND	0.500	mg/kg wet								Prepared & Analyzed: 11/27/2017
Reference (BK71157-SRM1)											
Chromium, Hexavalent	95.2		mg/L	207		46.0	25.6-116.9				Prepared & Analyzed: 11/27/2017



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17K0876-01	LSB-4 (15-17)	40mL Vial with Stir Bar-Cool 4° C
17K0876-02	LSB-3 (15-17)	40mL Vial with Stir Bar-Cool 4° C
17K0876-03	LSB-1 (15-17)	40mL Vial with Stir Bar-Cool 4° C
17K0876-04	LSB-2 (15-17)	40mL Vial with Stir Bar-Cool 4° C
17K0876-05	LSB-9 (0-2)	40mL Vial with Stir Bar-Cool 4° C
17K0876-06	LSB-8 (0-2)	40mL Vial with Stir Bar-Cool 4° C
17K0876-07	LSB-7 (0-2)	40mL Vial with Stir Bar-Cool 4° C
17K0876-08	LSB-5 (1-3)	40mL Vial with Stir Bar-Cool 4° C
17K0876-09	DUP-1	40mL Vial with Stir Bar-Cool 4° C
17K0876-10	LSB-6 (1-3)	40mL Vial with Stir Bar-Cool 4° C
17K0876-11	LSB-11 (1-3)	40mL Vial with Stir Bar-Cool 4° C
17K0876-12	LSB-10 (1-3)	40mL Vial with Stir Bar-Cool 4° C
17K0876-13	FB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0876-14	TB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 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%).
- S-09 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
- S-08 The recovery of this surrogate was outside of QC limits.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
- CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to correct Project ID.



YORK
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Field Chain-of-Custody Record

YORK Project No.

17K0876

Page 1 of 2

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: FANSHAN	Company:	Company:	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Summary Report	CT RCP	Standard Excel EDD	YOUR PROJECT NAME			RUSH - Next Day	YORK Reg. Comp.	
Address: 300 KIMBALL DRIVE 4TH FL	Address:	Address:	S - soil / solid	New York	CT RCP DQA/DUE	QA Report		EQULIS (Standard)	100674401			RUSH - Two Day	Compared to the following Regulation(s): (please list)	
Phone: PARSHAM NJ 07054	Phone:	Phone:	GW - groundwater	New Jersey	NY ASP A Package			NYSDCE EQUIS	460 WEST			RUSH - Three Day	4.04, 8.02	
Phone: 973 560 4574	Contact:	Contact:	DW - drinking water	Connecticut	NY ASP B Package			NJDEP Reduced Deliverables	41ST ST.			RUSH - Four Day		
Contact: AMANDA FOISBURG	E-mail:	E-mail:	WW - wastewater	Pennsylvania	Other			NJDKQP				Standard (5-7 Day)		
E-mail: afoisburg@fan-shan.com			O - Oil ; Other	Other										
MAT OLESKE Samples Collected by: (press your name above and sign below) 			2602 Sample Identification			NO, SNO, TAL METALS, Hexavalent Chromium Analysis Requested						Container Description		
LSB-4 (15-17)	Sample Matrix	S	Date/Time Sampled	11/20/17 9:15	Preservation: (check all that apply)	HCl ___ MeOH ___ HNO ₃ ___ H ₂ SO ₄ ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___			Special Instruction Field Filtered Lab to Filter ___			Date/Time		
LSB-3 (15-17)	S	11/20/17 10:00	Samples Retiquished by / Company Date/Time 11/21/17 1645			Date/Time 11/21/17 1645		Samples Retiquished by / Company Date/Time		Temp. Received at Lab 1.1.1		Degree(s) C 1998		
LSB-1 (15-17)	S	11/20/17 10:25	Samples Retiquished by / Company Date/Time			Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		
LSB-2 (15-17)	S	11/20/17 10:45	Samples Retiquished by / Company Date/Time			Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		
LSB-9 (0-2)	S	11/20/17 12:50	Samples Retiquished by / Company Date/Time			Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		
LSB-8 (0-2)	S	11/20/17 14:20	Samples Retiquished by / Company Date/Time			Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		
LSB-7 (0-2)	S	11/20/17 14:50	Samples Retiquished by / Company Date/Time			Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		
LSB-5 (1-3)	S	11/21/17 9:05	Samples Retiquished by / Company Date/Time			Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		
DOP-1	S	11/21/17 9:20	Samples Retiquished by / Company Date/Time			Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		
LSB-6(1-3)	S	11/21/17 9:55	Samples Retiquished by / Company Date/Time			Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		Samples Retiquished by / Company Date/Time		



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Field Chain-of-Custody Record

YORK Project No.
 17K0876

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 2 of 2

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: LANOBA	Company:	Address: 300 KIMBALL DRIVE YFE	Address:	Company:	Company:	Address: SAME	Address:	100674401	RUSH - Next Day
Phone: 973 560 4574	Phone:	Contact: AMANDA FORSLBERG	Contact:	Phone: SAME	Phone:	Phone: SAME	Phone:	100674401 - 460	RUSH - Two Day
E-mail: a.forsberg@lanoba.com	E-mail:	E-mail:	E-mail:	E-mail:	E-mail:	E-mail:	E-mail:	W 41st St.	RUSH - Three Day
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.									
Samples Collected by: (print your name above and sign below) MATT CLUSE									
Sample Identification LSE-11(1-3) LSE-10(1-3) FB-2 FB-1 TB-1									
Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.			
S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)				
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	Standard					
DW - drinking water	Connecticut	NY ASP A Package		EQUIS (Standard)					
WW - wastewater	Pennsylvania	NY ASP B Package							
O - Oil / Other	Other								
Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description						
S	11/21/17 11:00	VOC, SVOC, TAL METALS, HEXACHLOR (AROMATIC)	460A.1 802						
S	11/21/17 11:00								
DW	11/21/17 12:40	VOC	3 VOA						
DW		VOC	2 VOA						
Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___									
Samples Relinquished by: Company		Date/Time		Samples Relinquished by: Company		Date/Time		Special Instruction	
MATT CLUSE (Environ)		11/21/17 16:45		TC Fisher		11/21/17 1948		Field Filtered Lab to Filter	
Samples Received by: Company		Date/Time		Samples Received by: Company		Date/Time		Temp. Received at Lab	
								1.4 Degrees C	



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

Report Date: 11/30/2017
Client Project ID: 100674401
York Project (SDG) No.: 17K0877

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/30/2017
Client Project ID: 100674401
York Project (SDG) No.: 17K0877

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 November 21, 2017 and listed below. The project was identified as your project: **100674401**.

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>
17K0877-01	TW-2	Water	11/21/2017	11/21/2017
17K0877-02	TW-1	Water	11/21/2017	11/21/2017
17K0877-03	FB-2	Water	11/21/2017	11/21/2017
17K0877-04	TB-2	Water	11/21/2017	11/21/2017
17K0877-05	DUP-2	Water	11/21/2017	11/21/2017
17K0877-06	TW-3	Water	11/21/2017	11/21/2017

General Notes for York Project (SDG) No.: 17K0877

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: 11/30/2017





Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17K0877	100674401	Water	November 21, 2017 9:30 am	11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
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,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:30 am

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
67-64-1	Acetone	1.92		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:30 am

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:50	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:50	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:30 am

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			69-130						
2037-26-5	Surrogate: Toluene-d8	99.3 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	97.1 %			79-122						

SVOA, 8270 Low 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	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:30 am

11/21/2017

SVOA, 8270 Low 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
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
98-55-5	* Alpha Terpineol	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:30 am

11/21/2017

SVOA, 8270 Low 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
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	31.4 %	15-110
4165-62-2	Surrogate: Phenol-d5	21.3 %	15-110
4165-60-0	Surrogate: Nitrobenzene-d5	75.0 %	30-130
321-60-8	Surrogate: 2-Fluorobiphenyl	71.1 %	30-130
118-79-6	Surrogate: 2,4,6-Tribromophenol	92.9 %	15-110
1718-51-0	Surrogate: Terphenyl-d14	58.2 %	30-130

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1.17		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
208-96-8	Acenaphthylene	0.0385		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:30 am

11/21/2017

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Anthracene, Atrazine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Bis(2-ethylhexyl)phthalate, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene, N-Nitrosodimethylamine, Pentachlorophenol, Phenanthrene, Pyrene.



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:30 am

11/21/2017

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	23.6		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-39-3	Barium	1.93		mg/L	0.111	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-70-2	Calcium	400		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-47-3	Chromium	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-50-8	Copper	ND		mg/L	0.0333	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7439-89-6	Iron	93.1		mg/L	0.222	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7439-92-1	Lead	0.0928		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7439-95-4	Magnesium	27.1		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7439-96-5	Manganese	7.47		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-02-0	Nickel	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-09-7	Potassium	29.8	B	mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-22-4	Silver	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-23-5	Sodium	779	B	mg/L	1.11	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-62-2	Vanadium	0.217		mg/L	0.111	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-66-6	Zinc	0.730		mg/L	0.167	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	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		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML
7440-38-2	Arsenic	10.7		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML
7440-41-7	Beryllium	4.81		ug/L	0.333	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 17K0877, 100674401, Water, November 21, 2017 9:30 am, 11/21/2017

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows for Molybdenum, Selenium, and Thallium.

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row for Mercury.

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row for Chromium, Hexavalent.

Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 17K0877, 100674401, Water, November 21, 2017 2:00 pm, 11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows for various VOCs.



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 2:00 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
67-64-1	Acetone	3.11		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 2:00 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	1.50		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 2:00 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:17	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:17	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:17	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:17	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR

Surrogate Recoveries	Result	Acceptance Range
17060-07-0 <i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	69-130
2037-26-5 <i>Surrogate: Toluene-d8</i>	99.6 %	81-117
460-00-4 <i>Surrogate: p-Bromofluorobenzene</i>	98.0 %	79-122

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

<u>York Project (SDG) No.</u> 17K0877	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 21, 2017 2:00 pm	<u>Date Received</u> 11/21/2017
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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	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 2:00 pm

11/21/2017

SVOA, 8270 Low 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
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
98-55-5	* Alpha Terpineol	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 2:00 pm

11/21/2017

SVOA, 8270 Low 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
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	27.0 %			15-110						
4165-62-2	Surrogate: Phenol-d5	18.5 %			15-110						
4165-60-0	Surrogate: Nitrobenzene-d5	71.5 %			30-130						
321-60-8	Surrogate: 2-Fluorobiphenyl	63.9 %			30-130						
118-79-6	Surrogate: 2,4,6-Tribromophenol	76.6 %			15-110						
1718-51-0	Surrogate: Terphenyl-d14	45.5 %			30-130						

SVOA, 8270 Low 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	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
120-12-7	Anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
1912-24-9	* Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 14:30	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
117-81-7	* Bis(2-ethylhexyl)phthalate	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 14:30	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 2:00 pm

11/21/2017

SVOA, 8270 Low 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
218-01-9	Chrysene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
206-44-0	Fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
86-73-7	Fluorene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 14:30	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 14:30	SR
67-72-1	* Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 14:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
91-20-3	Naphthalene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
98-95-3	* Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 14:30	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 14:30	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 14:30	SR
85-01-8	Phenanthrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
129-00-0	Pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR

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	26.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-39-3	Barium	1.43		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-70-2	Calcium	624		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-47-3	Chromium	0.0952		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-50-8	Copper	0.00351	B	mg/L	0.00333	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7439-89-6	Iron	257		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 2:00 pm

11/21/2017

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	0.277		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7439-95-4	Magnesium	87.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7439-96-5	Manganese	16.1		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-09-7	Potassium	70.8	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-23-5	Sodium	339	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-62-2	Vanadium	0.250		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-66-6	Zinc	0.507		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	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		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7440-38-2	Arsenic	13.9		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7440-41-7	Beryllium	7.45		ug/L	0.333	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7440-43-9	Cadmium	0.667		ug/L	0.556	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7439-98-7	Molybdenum	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7782-49-2	Selenium	38.6		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 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
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Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

<u>York Project (SDG) No.</u> 17K0877	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 21, 2017 2:00 pm	<u>Date Received</u> 11/21/2017
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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		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:48	11/30/2017 12:38	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	11/21/2017 20:38	11/21/2017 20:38	TJM

Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

<u>York Project (SDG) No.</u> 17K0877	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 21, 2017 10:10 am	<u>Date Received</u> 11/21/2017
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VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
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,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 10:10 am

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
67-64-1	Acetone	1.25		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

Client Project ID

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Water

November 21, 2017 10:10 am

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

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		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:45	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:45	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR



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VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.7 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	97.2 %	79-122								

SVOA, 8270 Low 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	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR



Sample Information

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York Sample ID: 17K0877-03

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Water

November 21, 2017 10:10 am

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SVOA, 8270 Low 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
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR



Sample Information

Client Sample ID: FB-2

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100674401

Water

November 21, 2017 10:10 am

11/21/2017

SVOA, 8270 Low 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
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
98-55-5	* Alpha Terpineol	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 10:10 am

11/21/2017

SVOA, 8270 Low 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
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	31.5 %			15-110						
4165-62-2	Surrogate: Phenol-d5	19.4 %			15-110						
4165-60-0	Surrogate: Nitrobenzene-d5	74.8 %			30-130						
321-60-8	Surrogate: 2-Fluorobiphenyl	69.2 %			30-130						
118-79-6	Surrogate: 2,4,6-Tribromophenol	78.5 %			15-110						
1718-51-0	Surrogate: Terphenyl-d14	57.4 %			30-130						

SVOA, 8270 Low 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	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
120-12-7	Anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
1912-24-9	* Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:01	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
117-81-7	* Bis(2-ethylhexyl)phthalate	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:01	SR
218-01-9	Chrysene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
206-44-0	Fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
86-73-7	Fluorene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 10:10 am

11/21/2017

SVOA, 8270 Low 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	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:01	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:01	SR
67-72-1	* Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:01	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
91-20-3	Naphthalene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
98-95-3	* Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:01	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:01	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:01	SR
85-01-8	Phenanthrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
129-00-0	Pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR

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	11/28/2017 09:42	11/28/2017 17:43	BML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-50-8	Copper	0.0116	B	mg/L	0.00333	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7439-89-6	Iron	0.0446		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 10:10 am

11/21/2017

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	0.0955	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-23-5	Sodium	0.448	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	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		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7439-98-7	Molybdenum	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	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		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:48	11/30/2017 12:45	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	11/21/2017 20:38	11/21/2017 20:38	TJM



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

<u>York Project (SDG) No.</u> 17K0877	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 21, 2017 10:10 am	<u>Date Received</u> 11/21/2017
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Sample Information

Client Sample ID: TB-2

York Sample ID: 17K0877-04

<u>York Project (SDG) No.</u> 17K0877	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> November 21, 2017 5:00 pm	<u>Date Received</u> 11/21/2017
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VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
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,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR



Sample Information

Client Sample ID: TB-2

York Sample ID: 17K0877-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 5:00 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR



Sample Information

Client Sample ID: TB-2

York Sample ID: 17K0877-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 5:00 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

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		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:12	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:12	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:12	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:12	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR



Sample Information

Client Sample ID: TB-2

York Sample ID: 17K0877-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 5:00 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			69-130						
2037-26-5	Surrogate: Toluene-d8	99.1 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	99.1 %			79-122						

Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
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,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
67-64-1	Acetone	2.41		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:40	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:40	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

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17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	69-130
2037-26-5	Surrogate: Toluene-d8	98.8 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	98.4 %	79-122

SVOA, 8270 Low 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	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

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17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

SVOA, 8270 Low 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
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

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17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

SVOA, 8270 Low 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
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
98-55-5	* Alpha Terpineol	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

SVOA, 8270 Low 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
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	29.3 %			15-110						
4165-62-2	Surrogate: Phenol-d5	19.5 %			15-110						
4165-60-0	Surrogate: Nitrobenzene-d5	66.4 %			30-130						
321-60-8	Surrogate: 2-Fluorobiphenyl	60.6 %			30-130						
118-79-6	Surrogate: 2,4,6-Tribromophenol	80.3 %			15-110						
1718-51-0	Surrogate: Terphenyl-d14	47.4 %			30-130						

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1.22		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
208-96-8	Acenaphthylene	0.0385		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
120-12-7	Anthracene	0.346		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
1912-24-9	* Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:32	SR
56-55-3	Benzo(a)anthracene	0.0615		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
117-81-7	* Bis(2-ethylhexyl)phthalate	0.477		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:32	SR
218-01-9	Chrysene	0.0538		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	0.538		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
86-73-7	Fluorene	0.323		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:32	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:32	SR
67-72-1	* Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:32	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
91-20-3	Naphthalene	0.100		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
98-95-3	* Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:32	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:32	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:32	SR
85-01-8	Phenanthrene	1.10		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
129-00-0	Pyrene	0.623		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	20.6		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-39-3	Barium	1.70		mg/L	0.111	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-70-2	Calcium	346		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-47-3	Chromium	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-50-8	Copper	ND		mg/L	0.0333	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7439-89-6	Iron	80.1		mg/L	0.222	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7439-92-1	Lead	0.0789		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	23.2		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7439-96-5	Manganese	6.49		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-02-0	Nickel	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-09-7	Potassium	28.4	B	mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-22-4	Silver	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-23-5	Sodium	718	B	mg/L	1.11	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-62-2	Vanadium	0.182		mg/L	0.111	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-66-6	Zinc	0.610		mg/L	0.167	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	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		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7440-38-2	Arsenic	9.57		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7440-41-7	Beryllium	4.54		ug/L	0.333	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7439-98-7	Molybdenum	1.29		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7782-49-2	Selenium	23.1		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	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		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:48	11/30/2017 12:53	SY



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

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	11/21/2017 20:38	11/21/2017 20:38	TJM

Sample Information

Client Sample ID: TW-3

York Sample ID: 17K0877-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 4:15 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by 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,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
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,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR



Sample Information

Client Sample ID: TW-3

York Sample ID: 17K0877-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 4:15 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
67-64-1	Acetone	65.2		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-15-0	Carbon disulfide	0.260		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR



Sample Information

Client Sample ID: TW-3

York Sample ID: 17K0877-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 4:15 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:07	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:07	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR



Sample Information

Client Sample ID: TW-3

York Sample ID: 17K0877-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 4:15 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.0 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	94.3 %	79-122								



Analytical Batch Summary

Batch ID: BK71109 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/21/17
17K0877-02	TW-1	11/21/17
17K0877-03	FB-2	11/21/17
17K0877-05	DUP-2	11/21/17
BK71109-BLK1	Blank	11/22/17
BK71109-BS1	LCS	11/22/17
BK71109-DUP1	Duplicate	11/22/17
BK71109-MS1	Matrix Spike	11/22/17

Batch ID: BK71150 **Preparation Method:** EPA 3510C **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/27/17
17K0877-02	TW-1	11/27/17
17K0877-03	FB-2	11/27/17
17K0877-05	DUP-2	11/27/17
BK71150-BLK1	Blank	11/27/17
BK71150-BLK2	Blank	11/27/17
BK71150-BS1	LCS	11/27/17
BK71150-BS2	LCS	11/27/17
BK71150-BSD1	LCS Dup	11/27/17

Batch ID: BK71249 **Preparation Method:** EPA 3015A **Prepared By:** KML

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/28/17
17K0877-02	TW-1	11/28/17
17K0877-03	FB-2	11/28/17
17K0877-05	DUP-2	11/28/17
BK71249-BLK1	Blank	11/28/17
BK71249-SRM1	Reference	11/28/17

Batch ID: BK71304 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/29/17
17K0877-02	TW-1	11/29/17
17K0877-03	FB-2	11/29/17
17K0877-04	TB-2	11/29/17
17K0877-05	DUP-2	11/29/17
17K0877-06	TW-3	11/29/17
BK71304-BLK1	Blank	11/29/17
BK71304-BS1	LCS	11/29/17
BK71304-BSD1	LCS Dup	11/29/17



Batch ID: BK71375

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/30/17
17K0877-02	TW-1	11/30/17
17K0877-03	FB-2	11/30/17
17K0877-05	DUP-2	11/30/17
BK71375-BLK1	Blank	11/30/17
BK71375-BS1	LCS	11/30/17
BK71375-DUP1	Duplicate	11/30/17
BK71375-MS1	Matrix Spike	11/30/17

Batch ID: BK71380

Preparation Method: EPA 7473 water

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/30/17
17K0877-02	TW-1	11/30/17
17K0877-03	FB-2	11/30/17
17K0877-05	DUP-2	11/30/17
BK71380-BLK1	Blank	11/30/17
BK71380-DUP1	Duplicate	11/30/17
BK71380-MS1	Matrix Spike	11/30/17
BK71380-SRM1	Reference	11/30/17



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71304 - EPA 5030B

Blank (BK71304-BLK1)

Prepared & Analyzed: 11/29/2017

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	"								
1,2,3-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-Butanone	ND	0.500	"								
2-Hexanone	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	"								
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	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71304 - EPA 5030B

Blank (BK71304-BLK1)

Prepared & Analyzed: 11/29/2017

n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.63		"	10.0		96.3	69-130				
<i>Surrogate: Toluene-d8</i>	10.2		"	10.0		102	81-117				
<i>Surrogate: p-Bromofluorobenzene</i>	11.5		"	10.0		115	79-122				

LCS (BK71304-BS1)

Prepared & Analyzed: 11/29/2017

1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126				
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165				
1,1,2-Trichloroethane	9.72		"	10.0		97.2	82-123				
1,1-Dichloroethane	10.9		"	10.0		109	82-129				
1,1-Dichloroethylene	11.2		"	10.0		112	68-138				
1,2,3-Trichlorobenzene	3.18		"	10.0		31.8	76-136	Low Bias			
1,2,3-Trichloropropane	10.1		"	10.0		101	77-128				
1,2,4-Trichlorobenzene	6.58		"	10.0		65.8	76-137	Low Bias			
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	8.62		"	10.0		86.2	45-147				
1,2-Dibromoethane	9.45		"	10.0		94.5	83-124				
1,2-Dichlorobenzene	9.62		"	10.0		96.2	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	10.3		"	10.0		103	78-126				
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131				
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122				
1,3-Dichloropropane	9.84		"	10.0		98.4	81-125				
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124				
1,4-Dioxane	114		"	200		56.9	10-349				
2-Butanone	10.4		"	10.0		104	49-152				
2-Hexanone	10.1		"	10.0		101	51-146				
4-Methyl-2-pentanone	10.4		"	10.0		104	57-145				
Acetone	9.91		"	10.0		99.1	14-150				
Acrolein	10.2		"	10.0		102	10-153				
Acrylonitrile	10.7		"	10.0		107	51-150				



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

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

Batch BK71304 - EPA 5030B

LCS (BK71304-BS1)

Prepared & Analyzed: 11/29/2017

Benzene	10.5		ug/L	10.0		105	85-126				
Bromochloromethane	11.6		"	10.0		116	77-128				
Bromodichloromethane	10.1		"	10.0		101	79-128				
Bromoform	8.15		"	10.0		81.5	78-133				
Bromomethane	10.2		"	10.0		102	43-168				
Carbon disulfide	10.5		"	10.0		105	68-146				
Carbon tetrachloride	10.8		"	10.0		108	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	10.6		"	10.0		106	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	12.2		"	10.0		122	43-155				
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129				
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131				
Cyclohexane	11.8		"	10.0		118	63-149				
Dibromochloromethane	9.30		"	10.0		93.0	80-130				
Dibromomethane	9.82		"	10.0		98.2	72-134				
Dichlorodifluoromethane	10.8		"	10.0		108	44-144				
Hexachlorobutadiene	9.22		"	10.0		92.2	67-146				
Isopropylbenzene	11.3		"	10.0		113	76-140				
Methyl acetate	11.2		"	10.0		112	51-139				
Methyl tert-butyl ether (MTBE)	9.55		"	10.0		95.5	76-135				
Methylcyclohexane	11.0		"	10.0		110	72-143				
Methylene chloride	11.4		"	10.0		114	55-137				
n-Butylbenzene	11.6		"	10.0		116	79-132				
n-Propylbenzene	11.4		"	10.0		114	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	22.1		"	20.0		110	77-133				
p-Diethylbenzene	11.2		"	10.0		112	84-134				
p-Ethyltoluene	11.1		"	10.0		111	88-129				
p-Isopropyltoluene	11.2		"	10.0		112	81-136				
sec-Butylbenzene	11.3		"	10.0		113	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	7.32		"	10.0		73.2	25-162				
tert-Butylbenzene	11.0		"	10.0		110	77-138				
Tetrachloroethylene	9.19		"	10.0		91.9	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132				
trans-1,3-Dichloropropylene	9.51		"	10.0		95.1	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	10.8		"	10.0		108	67-139				
Vinyl Chloride	11.6		"	10.0		116	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71304 - EPA 5030B											
LCS Dup (BK71304-BSD1)											
										Prepared & Analyzed: 11/29/2017	
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126		2.36	30	
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136		1.12	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129		5.64	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165		2.35	30	
1,1,2-Trichloroethane	9.93		"	10.0		99.3	82-123		2.14	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		2.19	30	
1,1-Dichloroethylene	11.4		"	10.0		114	68-138		1.77	30	
1,2,3-Trichlorobenzene	6.63		"	10.0		66.3	76-136	Low Bias	70.3	30	Non-dir.
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		6.59	30	
1,2,4-Trichlorobenzene	7.24		"	10.0		72.4	76-137	Low Bias	9.55	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		3.18	30	
1,2-Dibromo-3-chloropropane	9.05		"	10.0		90.5	45-147		4.87	30	
1,2-Dibromoethane	9.78		"	10.0		97.8	83-124		3.43	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		3.97	30	
1,2-Dichloroethane	10.6		"	10.0		106	73-132		0.842	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		4.46	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		3.11	30	
1,3-Dichlorobenzene	10.8		"	10.0		108	86-122		3.38	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		3.40	30	
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124		0.190	30	
1,4-Dioxane	216		"	200		108	10-349		62.0	30	Non-dir.
2-Butanone	7.06		"	10.0		70.6	49-152		38.4	30	Non-dir.
2-Hexanone	10.7		"	10.0		107	51-146		6.44	30	
4-Methyl-2-pentanone	11.3		"	10.0		113	57-145		7.82	30	
Acetone	9.78		"	10.0		97.8	14-150		1.32	30	
Acrolein	9.93		"	10.0		99.3	10-153		2.39	30	
Acrylonitrile	10.6		"	10.0		106	51-150		0.281	30	
Benzene	10.7		"	10.0		107	85-126		2.17	30	
Bromochloromethane	11.8		"	10.0		118	77-128		1.11	30	
Bromodichloromethane	10.4		"	10.0		104	79-128		3.61	30	
Bromoform	8.50		"	10.0		85.0	78-133		4.20	30	
Bromomethane	10.1		"	10.0		101	43-168		0.394	30	
Carbon disulfide	10.6		"	10.0		106	68-146		1.32	30	
Carbon tetrachloride	10.8		"	10.0		108	77-141		0.371	30	
Chlorobenzene	10.6		"	10.0		106	88-120		3.18	30	
Chloroethane	10.6		"	10.0		106	65-136		0.376	30	
Chloroform	10.4		"	10.0		104	82-128		2.24	30	
Chloromethane	12.4		"	10.0		124	43-155		1.79	30	
cis-1,2-Dichloroethylene	11.4		"	10.0		114	83-129		1.69	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		5.44	30	
Cyclohexane	12.2		"	10.0		122	63-149		3.42	30	
Dibromochloromethane	9.57		"	10.0		95.7	80-130		2.86	30	
Dibromomethane	10.1		"	10.0		101	72-134		2.81	30	
Dichlorodifluoromethane	10.8		"	10.0		108	44-144		0.277	30	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		12.0	30	
Isopropylbenzene	11.7		"	10.0		117	76-140		3.13	30	
Methyl acetate	11.4		"	10.0		114	51-139		1.86	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		4.60	30	
Methylcyclohexane	11.5		"	10.0		115	72-143		4.36	30	
Methylene chloride	11.6		"	10.0		116	55-137		1.82	30	
n-Butylbenzene	12.1		"	10.0		121	79-132		4.04	30	



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

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

Batch BK71304 - EPA 5030B

LCS Dup (BK71304-BSD1)

Prepared & Analyzed: 11/29/2017

n-Propylbenzene	11.8		ug/L	10.0		118	78-133			3.70	30
o-Xylene	10.9		"	10.0		109	78-130			2.23	30
p- & m- Xylenes	22.7		"	20.0		113	77-133			2.50	30
p-Diethylbenzene	11.7		"	10.0		117	84-134			4.10	30
p-Ethyltoluene	11.4		"	10.0		114	88-129			3.11	30
p-Isopropyltoluene	11.6		"	10.0		116	81-136			3.41	30
sec-Butylbenzene	11.7		"	10.0		117	79-137			3.22	30
Styrene	10.8		"	10.0		108	67-132			2.72	30
tert-Butyl alcohol (TBA)	7.32		"	10.0		73.2	25-162			0.00	30
tert-Butylbenzene	11.4		"	10.0		114	77-138			3.40	30
Tetrachloroethylene	9.44		"	10.0		94.4	82-131			2.68	30
Toluene	10.9		"	10.0		109	80-127			3.18	30
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132			1.09	30
trans-1,3-Dichloropropylene	10.0		"	10.0		100	78-131			5.02	30
Trichloroethylene	10.5		"	10.0		105	82-128			3.88	30
Trichlorofluoromethane	10.7		"	10.0		107	67-139			0.744	30
Vinyl Chloride	11.4		"	10.0		114	58-145			0.870	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.89</i>		<i>"</i>	<i>10.0</i>		<i>98.9</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71150 - EPA 3510C

Blank (BK71150-BLK1)

Prepared & Analyzed: 11/27/2017

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	"
Alpha Terpineol	ND	10.0	"
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	"



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

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

Batch BK71150 - EPA 3510C

Blank (BK71150-BLK1)

Prepared & Analyzed: 11/27/2017

N-nitroso-di-n-propylamine	ND	5.00	ug/L								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
<i>Surrogate: 2-Fluorophenol</i>	34.2		"	75.5		45.4		15-110			
<i>Surrogate: Phenol-d5</i>	21.5		"	76.5		28.1		15-110			
<i>Surrogate: Nitrobenzene-d5</i>	46.4		"	50.6		91.8		30-130			
<i>Surrogate: 2-Fluorobiphenyl</i>	45.4		"	54.8		82.8		30-130			
<i>Surrogate: 2,4,6-Tribromophenol</i>	72.2		"	76.0		95.0		15-110			
<i>Surrogate: Terphenyl-d14</i>	38.8		"	53.0		73.3		30-130			

Blank (BK71150-BLK2)

Prepared & Analyzed: 11/27/2017

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 BK71150 - EPA 3510C											
LCS (BK71150-BS1)											
Prepared & Analyzed: 11/27/2017											
1,1-Biphenyl	20.0	5.00	ug/L	25.0		80.2	70-130			20	
1,2,4,5-Tetrachlorobenzene	22.3	5.00	"	25.0		89.3	70-130			20	
1,2,4-Trichlorobenzene	18.7	5.00	"	25.0		74.6	20-118			20	
1,2-Dichlorobenzene	18.7	5.00	"	25.0		74.7	29-111			20	
1,2-Diphenylhydrazine (as Azobenzene)	5.40	5.00	"	25.0		21.6	16-141			20	
1,3-Dichlorobenzene	17.4	5.00	"	25.0		69.8	23-117			20	
1,4-Dichlorobenzene	18.0	5.00	"	25.0		72.0	30-105			20	
2,3,4,6-Tetrachlorophenol	46.5	5.00	"	25.0		186	70-130	High Bias		20	
2,4,5-Trichlorophenol	19.5	5.00	"	25.0		77.8	70-130			20	
2,4,6-Trichlorophenol	20.9	5.00	"	25.0		83.7	70-130			20	
2,4-Dichlorophenol	5.69	5.00	"	25.0		22.8	70-130	Low Bias		20	
2,4-Dimethylphenol	22.2	5.00	"	25.0		88.7	70-130			20	
2,4-Dinitrophenol	13.9	5.00	"	25.0		55.8	20-160			20	
2,4-Dinitrotoluene	23.5	5.00	"	25.0		94.0	70-130			20	
2,6-Dinitrotoluene	24.1	5.00	"	25.0		96.5	70-130			20	
2-Chloronaphthalene	19.6	5.00	"	25.0		78.2	70-130			20	
2-Chlorophenol	19.4	5.00	"	25.0		77.8	70-130			20	
2-Methylnaphthalene	21.6	5.00	"	25.0		86.6	70-130			20	
2-Methylphenol	15.1	5.00	"	25.0		60.4	70-130	Low Bias		20	
2-Nitroaniline	23.2	5.00	"	25.0		92.7	70-130			20	
2-Nitrophenol	21.6	5.00	"	25.0		86.4	70-130			20	
3- & 4-Methylphenols	12.0	5.00	"	25.0		48.0	20-160			20	
3,3-Dichlorobenzidine	21.0	5.00	"	25.0		84.0	70-160			20	
3-Nitroaniline	20.7	5.00	"	25.0		82.8	70-160			20	
4,6-Dinitro-2-methylphenol	18.8	5.00	"	25.0		75.0	70-160			20	
4-Bromophenyl phenyl ether	22.1	5.00	"	25.0		88.5	70-160			20	
4-Chloro-3-methylphenol	21.5	5.00	"	25.0		85.9	70-160			20	
4-Chloroaniline	19.8	5.00	"	25.0		79.1	70-160			20	
4-Chlorophenyl phenyl ether	20.9	5.00	"	25.0		83.7	70-160			20	
4-Nitroaniline	22.0	5.00	"	25.0		87.9	70-160			20	
4-Nitrophenol	15.3	5.00	"	25.0		61.2	20-160			20	
Acetophenone	19.8	5.00	"	25.0		79.4	70-130			20	
Aniline	12.8	5.00	"	25.0		51.0	10-117			20	
Benzaldehyde	19.8	5.00	"	25.0		79.3	20-160			20	
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	14.8	5.00	"	25.0		59.2	10-117			20	
Benzyl butyl phthalate	23.2	5.00	"	25.0		92.9	70-130			20	
Bis(2-chloroethoxy)methane	23.0	5.00	"	25.0		92.1	70-130			20	
Bis(2-chloroethyl)ether	23.7	5.00	"	25.0		94.7	70-130			20	
Bis(2-chloroisopropyl)ether	22.2	5.00	"	25.0		88.8	70-130			20	
Caprolactam	5.74	5.00	"	25.0		23.0	20-160			20	
Carbazole	22.5	5.00	"	25.0		90.0	70-130			20	
Dibenzofuran	21.2	5.00	"	25.0		85.0	70-130			20	
Diethyl phthalate	21.4	5.00	"	25.0		85.7	70-130			20	
Dimethyl phthalate	20.8	5.00	"	25.0		83.0	70-130			20	
Di-n-butyl phthalate	22.4	5.00	"	25.0		89.8	70-130			20	
Di-n-octyl phthalate	23.8	5.00	"	25.0		95.4	70-130			20	
Hexachlorocyclopentadiene	ND	10.0	"	25.0			20-160	Low Bias		20	
Isophorone	21.4	5.00	"	25.0		85.8	70-130			20	
N-nitroso-di-n-propylamine	19.9	5.00	"	25.0		79.4	70-130			20	
N-Nitrosodiphenylamine	25.7	5.00	"	25.0		103	70-130			20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71150 - EPA 3510C

LCS (BK71150-BS1)

Prepared & Analyzed: 11/27/2017

Phenol	9.35	5.00	ug/L	25.0		37.4	20-160			20	
Surrogate: 2-Fluorophenol	34.4		"	75.5		45.5	15-110				
Surrogate: Phenol-d5	22.4		"	76.5		29.3	15-110				
Surrogate: Nitrobenzene-d5	46.1		"	50.6		91.0	30-130				
Surrogate: 2-Fluorobiphenyl	45.0		"	54.8		82.2	30-130				
Surrogate: 2,4,6-Tribromophenol	74.0		"	76.0		97.4	15-110				
Surrogate: Terphenyl-d14	36.4		"	53.0		68.7	30-130				

LCS (BK71150-BS2)

Prepared & Analyzed: 11/27/2017

Acenaphthene	0.790	0.0500	ug/L	1.00		79.0	25-116				
Acenaphthylene	0.820	0.0500	"	1.00		82.0	26-116				
Anthracene	0.830	0.0500	"	1.00		83.0	25-123				
Atrazine	ND	0.500	"				37-109				
Benzo(a)anthracene	1.02	0.0500	"	1.00		102	33-125				
Benzo(a)pyrene	1.02	0.0500	"	1.00		102	32-132				
Benzo(b)fluoranthene	1.06	0.0500	"	1.00		106	22-137				
Benzo(g,h,i)perylene	1.09	0.0500	"	1.00		109	10-138				
Benzo(k)fluoranthene	0.940	0.0500	"	1.00		94.0	20-137				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-189				
Chrysene	0.890	0.0500	"	1.00		89.0	32-124				
Dibenzo(a,h)anthracene	1.11	0.0500	"	1.00		111	16-133				
Fluoranthene	1.01	0.0500	"	1.00		101	32-121				
Fluorene	0.850	0.0500	"	1.00		85.0	28-118				
Hexachlorobenzene	ND	0.0200	"				23-124				
Hexachlorobutadiene	ND	0.500	"				15-123				
Hexachloroethane	ND	0.500	"				18-115				
Indeno(1,2,3-cd)pyrene	1.07	0.0500	"	1.00		107	15-135				
Naphthalene	0.730	0.0500	"	1.00		73.0	18-120				
Nitrobenzene	ND	0.250	"				21-121				
N-Nitrosodimethylamine	ND	0.500	"				10-124				
Pentachlorophenol	ND	0.250	"				10-156				
Phenanthrene	0.860	0.0500	"	1.00		86.0	24-127				
Pyrene	1.00	0.0500	"	1.00		100	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 BK71150 - EPA 3510C											
LCS Dup (BK71150-BSD1)											
Prepared & Analyzed: 11/27/2017											
1,1-Biphenyl	17.7	5.00	ug/L	25.0		70.6	70-130		12.7	20	
1,2,4,5-Tetrachlorobenzene	20.4	5.00	"	25.0		81.7	70-130		8.89	20	
1,2,4-Trichlorobenzene	17.5	5.00	"	25.0		69.9	20-118		6.59	20	
1,2-Dichlorobenzene	17.2	5.00	"	25.0		68.7	29-111		8.31	20	
1,2-Diphenylhydrazine (as Azobenzene)	4.61	5.00	"	25.0		18.4	16-141		15.8	20	
1,3-Dichlorobenzene	16.5	5.00	"	25.0		65.9	23-117		5.78	20	
1,4-Dichlorobenzene	16.6	5.00	"	25.0		66.5	30-105		7.92	20	
2,3,4,6-Tetrachlorophenol	41.8	5.00	"	25.0		167	70-130	High Bias	10.7	20	
2,4,5-Trichlorophenol	16.9	5.00	"	25.0		67.7	70-130	Low Bias	13.9	20	
2,4,6-Trichlorophenol	19.0	5.00	"	25.0		76.0	70-130		9.57	20	
2,4-Dichlorophenol	6.01	5.00	"	25.0		24.0	70-130	Low Bias	5.47	20	
2,4-Dimethylphenol	20.2	5.00	"	25.0		80.7	70-130		9.40	20	
2,4-Dinitrophenol	12.5	5.00	"	25.0		50.2	20-160		10.6	20	
2,4-Dinitrotoluene	21.3	5.00	"	25.0		85.2	70-130		9.77	20	
2,6-Dinitrotoluene	22.8	5.00	"	25.0		91.2	70-130		5.71	20	
2-Chloronaphthalene	17.9	5.00	"	25.0		71.5	70-130		9.03	20	
2-Chlorophenol	18.2	5.00	"	25.0		72.8	70-130		6.59	20	
2-Methylnaphthalene	19.8	5.00	"	25.0		79.3	70-130		8.73	20	
2-Methylphenol	14.0	5.00	"	25.0		55.9	70-130	Low Bias	7.84	20	
2-Nitroaniline	21.5	5.00	"	25.0		86.1	70-130		7.38	20	
2-Nitrophenol	20.9	5.00	"	25.0		83.7	70-130		3.15	20	
3- & 4-Methylphenols	11.2	5.00	"	25.0		44.8	20-160		6.98	20	
3,3-Dichlorobenzidine	16.3	5.00	"	25.0		65.2	70-160	Low Bias	25.2	20	Non-dir.
3-Nitroaniline	19.4	5.00	"	25.0		77.5	70-160		6.64	20	
4,6-Dinitro-2-methylphenol	17.6	5.00	"	25.0		70.4	70-160		6.44	20	
4-Bromophenyl phenyl ether	20.2	5.00	"	25.0		80.9	70-160		8.97	20	
4-Chloro-3-methylphenol	20.0	5.00	"	25.0		80.1	70-160		6.99	20	
4-Chloroaniline	18.3	5.00	"	25.0		73.0	70-160		7.94	20	
4-Chlorophenyl phenyl ether	19.1	5.00	"	25.0		76.5	70-160		8.99	20	
4-Nitroaniline	19.8	5.00	"	25.0		79.3	70-160		10.3	20	
4-Nitrophenol	9.95	5.00	"	25.0		39.8	20-160		42.4	20	Non-dir.
Acetophenone	18.0	5.00	"	25.0		72.2	70-130		9.50	20	
Aniline	12.0	5.00	"	25.0		47.8	10-117		6.56	20	
Benzaldehyde	18.1	5.00	"	25.0		72.5	20-160		8.91	20	
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	13.9	5.00	"	25.0		55.6	10-117		6.28	20	
Benzyl butyl phthalate	21.2	5.00	"	25.0		84.8	70-130		9.09	20	
Bis(2-chloroethoxy)methane	21.3	5.00	"	25.0		85.2	70-130		7.85	20	
Bis(2-chloroethyl)ether	21.7	5.00	"	25.0		86.9	70-130		8.59	20	
Bis(2-chloroisopropyl)ether	20.6	5.00	"	25.0		82.5	70-130		7.42	20	
Caprolactam	5.54	5.00	"	25.0		22.2	20-160		3.55	20	
Carbazole	20.5	5.00	"	25.0		81.9	70-130		9.40	20	
Dibenzofuran	19.0	5.00	"	25.0		76.1	70-130		11.0	20	
Diethyl phthalate	19.7	5.00	"	25.0		78.9	70-130		8.26	20	
Dimethyl phthalate	18.9	5.00	"	25.0		75.5	70-130		9.49	20	
Di-n-butyl phthalate	20.3	5.00	"	25.0		81.1	70-130		10.1	20	
Di-n-octyl phthalate	21.7	5.00	"	25.0		86.8	70-130		9.49	20	
Hexachlorocyclopentadiene	ND	10.0	"	25.0			20-160	Low Bias		20	
Isophorone	20.6	5.00	"	25.0		82.6	70-130		3.80	20	
N-nitroso-di-n-propylamine	18.4	5.00	"	25.0		73.6	70-130		7.63	20	
N-Nitrosodiphenylamine	23.0	5.00	"	25.0		91.8	70-130		11.5	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71150 - EPA 3510C

LCS Dup (BK71150-BSD1)

Prepared & Analyzed: 11/27/2017

Phenol	9.14	5.00	ug/L	25.0		36.6	20-160		2.27	20	
Surrogate: 2-Fluorophenol	31.8		"	75.5		42.2	15-110				
Surrogate: Phenol-d5	20.9		"	76.5		27.3	15-110				
Surrogate: Nitrobenzene-d5	42.4		"	50.6		83.8	30-130				
Surrogate: 2-Fluorobiphenyl	39.4		"	54.8		72.0	30-130				
Surrogate: 2,4,6-Tribromophenol	66.9		"	76.0		88.1	15-110				
Surrogate: Terphenyl-d14	33.0		"	53.0		62.2	30-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71249 - EPA 3015A

Blank (BK71249-BLK1)

Prepared & Analyzed: 11/28/2017

Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0111	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Copper	0.0142	0.00333	"								
Iron	ND	0.0222	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.00556	"								
Potassium	0.101	0.0556	"								
Silver	ND	0.00556	"								
Sodium	1.28	0.111	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0167	"								

Reference (BK71249-SRM1)

Prepared & Analyzed: 11/28/2017

Aluminum	0.749		ug/mL	0.720	104	81.4-117.2					
Barium	0.502		"	0.500	100	85-115					
Calcium	28.8		"	33.0	87.2	86.5-114.3					
Chromium	0.914		"	0.860	106	85-115					
Copper	0.350		"	0.320	109	85-115					
Iron	1.39		"	1.40	99.6	84.9-115					
Lead	0.651		"	0.640	102	85-115					
Magnesium	70.0		"	80.1	87.4	86.3-114.8					
Manganese	1.12		"	1.02	109	84.9-115					
Nickel	1.81		"	1.78	102	87-113.7					
Potassium	8.67		"	10.3	84.1	84.9-115				Low Bias	
Silver	0.525		"	0.600	87.5	85-115					
Sodium	21.6		"	22.7	95.0	85-115					
Vanadium	1.64		"	1.66	99.0	85-114.9					
Zinc	1.56		"	1.62	96.6	84.9-115					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BK71375 - EPA 3015A

Blank (BK71375-BLK1)

Prepared & Analyzed: 11/30/2017

Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Molybdenum	ND	1.11	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								

LCS (BK71375-BS1)

Prepared & Analyzed: 11/30/2017

Antimony	35.0		ug/L	50.0	70.1	80-120	Low Bias				
Arsenic	35.0		"	50.0	69.9	80-120	Low Bias				
Beryllium	47.9		"	50.0	95.9	80-120					
Cadmium	35.6		"	50.0	71.2	80-120	Low Bias				
Molybdenum	47.4		"	50.0	94.8	80-120					
Selenium	31.5		"	50.0	63.0	80-120	Low Bias				
Thallium	47.8		"	50.0	95.5	80-120					

Duplicate (BK71375-DUP1)

*Source sample: 17K0877-01 (TW-2)

Prepared & Analyzed: 11/30/2017

Antimony	ND	1.11	ug/L	ND						20	
Arsenic	10.7	1.11	"	10.7					0.494	20	
Beryllium	5.00	0.333	"	4.81					3.95	20	
Cadmium	ND	0.556	"	ND						20	
Molybdenum	1.25	1.11	"	1.13					9.70	20	
Selenium	31.0	1.11	"	28.7					7.67	20	
Thallium	ND	1.11	"	ND						20	

Matrix Spike (BK71375-MS1)

*Source sample: 17K0877-01 (TW-2)

Prepared & Analyzed: 11/30/2017

Antimony	31.6		ug/L	50.0	0.423	62.4	75-125	Low Bias			
Arsenic	42.8		"	50.0	9.64	66.3	75-125	Low Bias			
Beryllium	29.5		"	50.0	4.33	50.3	75-125	Low Bias			
Cadmium	30.6		"	50.0	0.426	60.4	75-125	Low Bias			
Molybdenum	48.9		"	50.0	1.02	95.8	75-125				
Selenium	62.2		"	50.0	25.9	72.7	75-125	Low Bias			
Thallium	32.7		"	50.0	0.046	65.4	75-125	Low Bias			



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71380 - EPA 7473 water											
Blank (BK71380-BLK1)										Prepared & Analyzed: 11/30/2017	
Mercury	ND	0.20	ug/L								
Duplicate (BK71380-DUP1)										*Source sample: 17K0877-01 (TW-2) Prepared & Analyzed: 11/30/2017	
Mercury	ND	0.20	ug/L		ND						20
Matrix Spike (BK71380-MS1)										*Source sample: 17K0877-01 (TW-2) Prepared & Analyzed: 11/30/2017	
Mercury	0.00170		mg/L	0.00200	0.00010	80.0	75-125				
Reference (BK71380-SRM1)										Prepared & Analyzed: 11/30/2017	
Mercury	0.00600		mg/L	0.00740		81.1	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	RPD Limit	Flag
Batch BK71109 - Analysis Preparation											
Blank (BK71109-BLK1)											
										Prepared & Analyzed: 11/22/2017	
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BK71109-BS1)											
										Prepared & Analyzed: 11/22/2017	
Chromium, Hexavalent	0.485	0.0100	mg/L	0.500		97.0	80-120				
Duplicate (BK71109-DUP1)											
*Source sample: 17K0877-05 (DUP-2)										Prepared & Analyzed: 11/22/2017	
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
Matrix Spike (BK71109-MS1)											
*Source sample: 17K0877-05 (DUP-2)										Prepared & Analyzed: 11/22/2017	
Chromium, Hexavalent	0.456	0.0100	mg/L	0.500	ND	91.2	75-125				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17K0877-01	TW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0877-02	TW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0877-03	FB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0877-04	TB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0877-05	DUP-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0877-06	TW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- QR-04 The RPD exceeded control limits for the LCS/LCSD QC.
- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
- CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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



Certification for pH is no longer offered by NYDOH ELAP.

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

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





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Field Chain-of-Custody Record

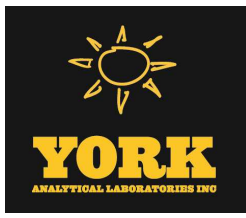
YORK Project No.
 17K0877

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: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME
Address: 300 LOMBARD DR KING OF PRUSSIA NJ 07054	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME
Phone: 973 566 4574	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME
Contact: ANANDA FORSBURG	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME
E-mail: a.forsburg@langan.com	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME
YOUR PROJECT NAME 100674401-460 WEST 41 ST ST.									
YOUR PO#: 100674401									
Report / EDD Type (circle selections) Summary Report <input checked="" type="checkbox"/> Standard Excel EDD QA Report <input type="checkbox"/> EQUIS (Standard) NY ASP A Package <input type="checkbox"/> NYSDEC EQUIS NY ASP B Package <input checked="" type="checkbox"/> NJDEP SRP HazSite Other: <input type="checkbox"/> NJDKQP									
Compared to the following Regulation(s): (please list in)									
YORK Reg. Comp.									
Matrix Codes S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other									
Samples From New York <input checked="" type="checkbox"/> New Jersey <input type="checkbox"/> Connecticut <input type="checkbox"/> Pennsylvania <input type="checkbox"/> Other <input type="checkbox"/>									
Date/Time Sampled 11/21/17 9:30 11/21/17 11/21/17 10:10 11/21/17 9:50 11/21/17 16:15									
Sample Matrix GW GW DW DW GW GW									
Analysis Requested VOC, SVOC, TAL METALS, HEXAVALENT CHROMIUM ↓ ↓ ↓ ↓ VOC VOC, SVOC, TAL METALS, HEXAVALENT CHROMIUM. VOC									
Container Description 3 Amber 2 Liters, 3 Vol ↓ ↓ ↓ 2 vials 3 Amber 2 liters, 3 vials 3 vials									
Preservation: (check all that apply) HCl ___ MeOH ___ HNO ₃ ___ H ₂ SO ₄ ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___									
Special Instruction Field Filtered Lab to Filter ___									
Samples Relinquished by / Company Date/Time 11/21/17 16:15 Date/Time Date/Time Date/Time									
Samples Received in LAB by Date/Time 11/21/17 16:15 Date/Time Date/Time Date/Time									
Samples Received at Lab Date/Time 11/21/17-1948 Date/Time Date/Time Date/Time									
temp. Received at Lab 1.6 Degrees C									

Comments:



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

Report Date: 05/03/2018
Client Project ID: 100674401
York Project (SDG) No.: 18D1111

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/03/2018
Client Project ID: 100674401
York Project (SDG) No.: 18D1111

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 April 26, 2018 and listed below. The project was identified as your project: **100674401**.

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>
18D1111-01	FB-3	Water	04/26/2018	04/26/2018
18D1111-02	LSB-16 (1.5-3.5)	Soil	04/26/2018	04/26/2018
18D1111-03	LSB-16 (3.5-5.5)	Soil	04/26/2018	04/26/2018
18D1111-04	TB-3	Water	04/26/2018	04/26/2018
18D1111-05	LSB-15 (1-3)	Soil	04/26/2018	04/26/2018

General Notes for York Project (SDG) No.: 18D1111

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: 05/03/2018





Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18D1111	100674401	Water	April 26, 2018 8:30 am	04/26/2018

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	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 15:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS



Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18D1111

100674401

Water

April 26, 2018 8:30 am

04/26/2018

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	04/30/2018 07:30	04/30/2018 15:48	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS
67-64-1	Acetone	1.57	CCV-E, SCAL-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS



Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18D1111

100674401

Water

April 26, 2018 8:30 am

04/26/2018

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
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
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	04/30/2018 07:30	04/30/2018 15:48	SS



Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18D1111

100674401

Water

April 26, 2018 8:30 am

04/26/2018

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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 15:48	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 15:48	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %			70-130						
2037-26-5	Surrogate: Toluene-d8	107 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	112 %			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	04/27/2018 07:47	04/29/2018 14:30	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR



Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18D1111

100674401

Water

April 26, 2018 8:30 am

04/26/2018

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
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	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	04/27/2018 07:47	04/29/2018 14:30	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR



Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18D1111

100674401

Water

April 26, 2018 8:30 am

04/26/2018

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
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	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	04/27/2018 07:47	04/29/2018 14:30	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/29/2018 14:30	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	32.3 %	19.7-63.1
4165-62-2	Surrogate: Phenol-d5	17.4 %	10.1-41.7
4165-60-0	Surrogate: Nitrobenzene-d5	81.4 %	50.2-113
321-60-8	Surrogate: 2-Fluorobiphenyl	61.1 %	39.9-105
118-79-6	Surrogate: 2,4,6-Tribromophenol	81.0 %	39.3-151
1718-51-0	Surrogate: Terphenyl-d14	61.1 %	30.7-106

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2018 8:30 am	<u>Date Received</u> 04/26/2018
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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	04/27/2018 07:47	04/27/2018 16:08	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2018 07:47	04/27/2018 16:08	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	10.8		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2018 07:47	04/27/2018 16:08	SR
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
86-73-7	Fluorene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2018 07:47	04/27/2018 16:08	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2018 07:47	04/27/2018 16:08	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2018 07:47	04/27/2018 16:08	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	04/27/2018 07:47	04/27/2018 16:08	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2018 07:47	04/27/2018 16:08	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2018 07:47	04/27/2018 16:08	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2018 07:47	04/27/2018 16:08	SR
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 07:47	04/27/2018 16:08	SR



Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2018 8:30 am	<u>Date Received</u> 04/26/2018
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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	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
309-00-2	Aldrin	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
319-84-6	alpha-BHC	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
319-85-7	beta-BHC	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
57-74-9	Chlordane, total	ND		ug/L	0.0286	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
319-86-8	delta-BHC	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
60-57-1	Dieldrin	ND		ug/L	0.00286	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
959-98-8	Endosulfan I	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
72-20-8	Endrin	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0143	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0143	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0143	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
76-44-8	Heptachlor	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
72-43-5	Methoxychlor	ND		ug/L	0.00571	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
8001-35-2	Toxaphene	ND		ug/L	0.143	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 08:05	05/02/2018 14:54	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	86.7 %	30-150							



Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2018 8:30 am	<u>Date Received</u> 04/26/2018
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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
877-09-8	Surrogate: Tetrachloro-m-xylene	70.6 %			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	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/01/2018 08:05	05/03/2018 11:53	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/01/2018 08:05	05/03/2018 11:53	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/01/2018 08:05	05/03/2018 11:53	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/01/2018 08:05	05/03/2018 11:53	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/01/2018 08:05	05/03/2018 11:53	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/01/2018 08:05	05/03/2018 11:53	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0714	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/01/2018 08:05	05/03/2018 11:53	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0714	1	EPA 8082A Certifications:	05/01/2018 08:05	05/03/2018 11:53	LAB

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	95.5 %	30-150
2051-24-3	Surrogate: Decachlorobiphenyl	105 %	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	04/27/2018 13:28	04/27/2018 18:22	KML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7439-89-6	Iron	ND		mg/L	0.0444	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML



Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18D1111

100674401

Water

April 26, 2018 8:30 am

04/26/2018

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
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7440-09-7	Potassium	ND		mg/L	0.0778	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7440-23-5	Sodium	ND		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:28	04/27/2018 18:22	KML

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	04/27/2018 13:27	05/02/2018 10:38	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:27	05/02/2018 10:38	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:27	05/02/2018 10:38	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:27	05/02/2018 10:38	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:27	05/02/2018 10:38	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 13:27	05/02/2018 10:38	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
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 09:59	04/30/2018 11:13	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: FB-3

York Sample ID: 18D1111-01

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 26, 2018 8:30 am	<u>Date Received</u> 04/26/2018
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Sample 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	04/26/2018 20:14	04/26/2018 20:28	TAJ

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:	05/01/2018 16:52	05/03/2018 13:30	PAM

Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 17:39	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 17:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
95-63-6	1,2,4-Trimethylbenzene	0.0073		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS



Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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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
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
108-67-8	1,3,5-Trimethylbenzene	0.0038	J	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 17:39	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
67-64-1	Acetone	0.018	SCAL-E	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS



Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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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
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
75-15-0	Carbon disulfide	0.0027	J	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS



Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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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
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
99-87-6	p-Isopropyltoluene	0.022		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 17:39	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 17:39	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.1 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	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	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH



Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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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
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
91-57-6	2-Methylnaphthalene	0.286		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH



Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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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
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
83-32-9	Acenaphthene	0.181		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
208-96-8	Acenaphthylene	0.0596	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
120-12-7	Anthracene	0.257		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
56-55-3	Benzo(a)anthracene	0.700		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
50-32-8	Benzo(a)pyrene	0.655		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
205-99-2	Benzo(b)fluoranthene	0.503		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
191-24-2	Benzo(g,h,i)perylene	0.411		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
207-08-9	Benzo(k)fluoranthene	0.472		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH



Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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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
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
86-74-8	Carbazole	0.151		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
218-01-9	Chrysene	0.565		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
53-70-3	Dibenzo(a,h)anthracene	0.0921	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
132-64-9	Dibenzofuran	0.143		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
206-44-0	Fluoranthene	1.60		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
86-73-7	Fluorene	0.297		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.377		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
91-20-3	Naphthalene	0.439		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH



Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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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
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
85-01-8	Phenanthrene	1.41		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
108-95-2	Phenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
129-00-0	Pyrene	1.52		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:07	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	35.2 %	20-108								
4165-62-2	Surrogate: Phenol-d5	33.4 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	39.8 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	33.1 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	22.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	34.6 %	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	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/30/2018 13:35	05/02/2018 16:54	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0374	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA



Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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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
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/30/2018 13:35	05/02/2018 16:54	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
72-20-8	Endrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/30/2018 13:35	05/02/2018 16:54	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00934	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0945	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 16:54	SA
	Surrogate Recoveries	Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	59.4 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	53.2 %		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	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:17	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:17	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:17	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:17	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:17	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:17	LAB



Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:17	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	04/30/2018 13:35	05/01/2018 10:17	LAB
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	45.5 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	38.3 %					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	9530		mg/kg dry	5.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-36-0	Antimony	ND		mg/kg dry	0.566	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-38-2	Arsenic	4.01		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-39-3	Barium	213		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-41-7	Beryllium	0.398		mg/kg dry	0.113	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.340	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-70-2	Calcium	25300		mg/kg dry	5.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-47-3	Chromium	18.8		mg/kg dry	0.566	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-48-4	Cobalt	7.40		mg/kg dry	0.566	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-50-8	Copper	27.9		mg/kg dry	0.566	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7439-89-6	Iron	15300		mg/kg dry	2.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7439-92-1	Lead	176		mg/kg dry	0.566	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7439-95-4	Magnesium	3470		mg/kg dry	5.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7439-96-5	Manganese	334		mg/kg dry	0.566	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-02-0	Nickel	17.0		mg/kg dry	0.566	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML



Sample Information

Client Sample ID: LSB-16 (1.5-3.5)

York Sample ID: 18D1111-02

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 9:50 am	<u>Date Received</u> 04/26/2018
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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
7440-09-7	Potassium	2100		mg/kg dry	5.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7782-49-2	Selenium	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-22-4	Silver	ND		mg/kg dry	0.566	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-23-5	Sodium	336		mg/kg dry	11.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-28-0	Thallium	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-62-2	Vanadium	21.9		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	KML
7440-66-6	Zinc	138		mg/kg dry	1.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:45	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	0.367		mg/kg dry	0.0340	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/27/2018 09:53	04/27/2018 10:57	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	88.3		%	0.100	1	SM 2540G Certifications: CTDOH	05/02/2018 10:07	05/02/2018 12:25	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	0.566	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/27/2018 08:23	04/27/2018 17:43	AD

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	18.8		mg/kg	0.500	1	Calculation Certifications:	05/03/2018 13:31	05/03/2018 13:30	PAM



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 10:10 am	<u>Date Received</u> 04/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 18:10	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 18:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 18:10	SS



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 10:10 am	<u>Date Received</u> 04/26/2018
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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
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
67-64-1	Acetone	0.012	SCAL-E	mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 10:10 am	<u>Date Received</u> 04/26/2018
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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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0090	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 10:10 am	<u>Date Received</u> 04/26/2018
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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
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 18:10	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 18:10	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	96.2 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	99.8 %			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	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18D1111

100674401

Soil

April 26, 2018 10:10 am

04/26/2018

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	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
62-53-3	Aniline	ND		mg/kg dry	0.198	0.397	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 10:10 am	<u>Date Received</u> 04/26/2018
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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	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.397	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 10:10 am	<u>Date Received</u> 04/26/2018
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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
206-44-0	Fluoranthene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
108-95-2	Phenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.397	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/01/2018 07:46	05/01/2018 18:37	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	34.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	29.8 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	36.7 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	33.1 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	31.4 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	30.9 %	24-116



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 10:10 am	<u>Date Received</u> 04/26/2018
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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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/30/2018 13:35	05/02/2018 17:09	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0391	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/30/2018 13:35	05/02/2018 17:09	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
72-20-8	Endrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/30/2018 13:35	05/02/2018 17:09	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00977	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0989	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:09	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	58.2 %	30-150							



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 10:10 am	<u>Date Received</u> 04/26/2018
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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	62.4 %			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	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:41	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:41	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:41	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:41	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:41	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:41	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 10:41	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	04/30/2018 13:35	05/01/2018 10:41	LAB

Surrogate Recoveries

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	63.9 %	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	12400		mg/kg dry	5.94	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-36-0	Antimony	ND		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-38-2	Arsenic	2.65		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-39-3	Barium	129		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-41-7	Beryllium	0.390		mg/kg dry	0.119	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.356	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 10:10 am	<u>Date Received</u> 04/26/2018
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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
7440-70-2	Calcium	4550		mg/kg dry	5.94	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-47-3	Chromium	22.9		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-48-4	Cobalt	12.0		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-50-8	Copper	27.0		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7439-89-6	Iron	20200		mg/kg dry	2.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7439-92-1	Lead	105		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7439-95-4	Magnesium	4980		mg/kg dry	5.94	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7439-96-5	Manganese	234		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-02-0	Nickel	24.1		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-09-7	Potassium	4130		mg/kg dry	5.94	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7782-49-2	Selenium	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-22-4	Silver	ND		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-23-5	Sodium	476		mg/kg dry	11.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-28-0	Thallium	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-62-2	Vanadium	27.2		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	KML
7440-66-6	Zinc	83.1		mg/kg dry	1.78	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2018 09:48	04/27/2018 17:46	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	0.0907		mg/kg dry	0.0356	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/27/2018 09:53	04/27/2018 11:04	SY

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-16 (3.5-5.5)

York Sample ID: 18D1111-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18D1111, 100674401, Soil, April 26, 2018 10:10 am, 04/26/2018

Sample Prepared by Method: % Solids Prep

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: % Solids, 84.2, 0.100, 1, SM 2540G, 05/02/2018 10:07, 05/02/2018 12:25, TAJ

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Chromium, Hexavalent, ND, mg/kg dry, 0.594, 1, EPA 7196A, 04/27/2018 08:23, 04/27/2018 17:43, AD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: Chromium, Trivalent, 22.9, mg/kg, 0.500, 1, Calculation, 05/03/2018 13:31, 05/03/2018 13:30, PAM

Sample Information

Client Sample ID: TB-3

York Sample ID: 18D1111-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18D1111, 100674401, Water, April 26, 2018 12:00 am, 04/26/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various compounds like Tetrachloroethane, Trichloroethane, Dichloroethane, etc.



Sample Information

Client Sample ID: TB-3

York Sample ID: 18D1111-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18D1111

100674401

Water

April 26, 2018 12:00 am

04/26/2018

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
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 16:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
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	04/30/2018 07:30	04/30/2018 16:20	SS
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	04/30/2018 07:30	04/30/2018 16:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
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	04/30/2018 07:30	04/30/2018 16:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
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	04/30/2018 07:30	04/30/2018 16:20	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS



Sample Information

Client Sample ID: TB-3

York Sample ID: 18D1111-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18D1111

100674401

Water

April 26, 2018 12:00 am

04/26/2018

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
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
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	04/30/2018 07:30	04/30/2018 16:20	SS
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	04/30/2018 07:30	04/30/2018 16:20	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS



Sample Information

Client Sample ID: TB-3

York Sample ID: 18D1111-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18D1111

100674401

Water

April 26, 2018 12:00 am

04/26/2018

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
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	04/30/2018 07:30	04/30/2018 16:20	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
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	04/30/2018 07:30	04/30/2018 16:20	SS
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	04/30/2018 07:30	04/30/2018 16:20	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/30/2018 07:30	04/30/2018 16:20	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/30/2018 07:30	04/30/2018 16:20	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.6 %			70-130						
2037-26-5	Surrogate: Toluene-d8	108 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	111 %			70-130						



Sample Information

Client Sample ID: LSB-15 (1-3)

York Sample ID: 18D1111-05

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 1:45 pm	<u>Date Received</u> 04/26/2018
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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
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/30/2018 13:35	05/02/2018 17:24	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0381	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/30/2018 13:35	05/02/2018 17:24	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
72-20-8	Endrin	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/30/2018 13:35	05/02/2018 17:24	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00191	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00953	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0965	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/30/2018 13:35	05/02/2018 17:24	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	69.6 %	30-150							



Sample Information

Client Sample ID: LSB-15 (1-3)

York Sample ID: 18D1111-05

<u>York Project (SDG) No.</u> 18D1111	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 26, 2018 1:45 pm	<u>Date Received</u> 04/26/2018
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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	70.5 %			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	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 11:05	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 11:05	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 11:05	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 11:05	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 11:05	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 11:05	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/30/2018 13:35	05/01/2018 11:05	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications:	04/30/2018 13:35	05/01/2018 11:05	LAB

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	71.8 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	51.2 %	30-120

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.6		%	0.100	1	SM 2540G Certifications: CTDOH	05/02/2018 10:07	05/02/2018 12:25	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	0.578	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	04/27/2018 08:23	04/27/2018 17:43	AD



Analytical Batch Summary

Batch ID: BD81309 **Preparation Method:** Analysis Preparation **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-01	FB-3	04/26/18
BD81309-BLK1	Blank	04/26/18
BD81309-BS1	LCS	04/26/18
BD81309-DUP1	Duplicate	04/26/18
BD81309-MS1	Matrix Spike	04/26/18

Batch ID: BD81322 **Preparation Method:** EPA 3510C **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-01	FB-3	04/27/18
BD81322-BLK1	Blank	04/27/18
BD81322-BLK2	Blank	04/27/18
BD81322-BS1	LCS	04/27/18
BD81322-BS2	LCS	04/27/18
BD81322-BSD1	LCS Dup	04/27/18

Batch ID: BD81323 **Preparation Method:** EPA SW846-3060 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-02	LSB-16 (1.5-3.5)	04/27/18
18D1111-03	LSB-16 (3.5-5.5)	04/27/18
18D1111-05	LSB-15 (1-3)	04/27/18
BD81323-BLK1	Blank	04/27/18
BD81323-SRM1	Reference	04/27/18

Batch ID: BD81332 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-02	LSB-16 (1.5-3.5)	04/27/18
18D1111-03	LSB-16 (3.5-5.5)	04/27/18
BD81332-BLK1	Blank	04/27/18
BD81332-SRM1	Reference	04/27/18

Batch ID: BD81335 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-02	LSB-16 (1.5-3.5)	04/27/18
18D1111-03	LSB-16 (3.5-5.5)	04/27/18
BD81335-BLK1	Blank	04/27/18
BD81335-SRM1	Reference	04/27/18



Batch ID: BD81356 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-01	FB-3	04/27/18
BD81356-BLK1	Blank	04/27/18
BD81356-BS1	LCS	04/27/18

Batch ID: BD81357 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-01	FB-3	04/27/18
BD81357-BLK1	Blank	04/27/18
BD81357-BS1	LCS	04/27/18

Batch ID: BD81390 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-02	LSB-16 (1.5-3.5)	04/30/18
18D1111-03	LSB-16 (3.5-5.5)	04/30/18
BD81390-BLK1	Blank	04/30/18
BD81390-BS1	LCS	04/30/18
BD81390-BSD1	LCS Dup	04/30/18

Batch ID: BD81392 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-01	FB-3	04/30/18
18D1111-04	TB-3	04/30/18
BD81392-BLK1	Blank	04/30/18
BD81392-BS1	LCS	04/30/18
BD81392-BSD1	LCS Dup	04/30/18

Batch ID: BD81416 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-01	FB-3	04/30/18
BD81416-BLK1	Blank	04/30/18
BD81416-DUP1	Duplicate	04/30/18
BD81416-MS1	Matrix Spike	04/30/18
BD81416-SRM1	Reference	04/30/18

Batch ID: BD81441 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-02	LSB-16 (1.5-3.5)	04/30/18
18D1111-02	LSB-16 (1.5-3.5)	04/30/18
18D1111-03	LSB-16 (3.5-5.5)	04/30/18
18D1111-03	LSB-16 (3.5-5.5)	04/30/18



18D1111-05	LSB-15 (1-3)	04/30/18
18D1111-05	LSB-15 (1-3)	04/30/18
BD81441-BLK1	Blank	04/30/18
BD81441-BLK2	Blank	04/30/18
BD81441-BS1	LCS	04/30/18
BD81441-BS2	LCS	04/30/18

Batch ID: BE80010 **Preparation Method:** EPA 3550C **Prepared By:** SGM

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-02	LSB-16 (1.5-3.5)	05/01/18
18D1111-03	LSB-16 (3.5-5.5)	05/01/18
BE80010-BLK1	Blank	05/01/18
BE80010-BS1	LCS	05/01/18

Batch ID: BE80012 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-01	FB-3	05/01/18
18D1111-01	FB-3	05/01/18
BE80012-BLK1	Blank	05/01/18
BE80012-BLK2	Blank	05/01/18
BE80012-BS1	LCS	05/01/18
BE80012-BSD1	LCS Dup	05/01/18
BE80012-BSD2	LCS Dup	05/01/18

Batch ID: BE80050 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-01	FB-3	05/01/18

Batch ID: BE80094 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-02	LSB-16 (1.5-3.5)	05/02/18
18D1111-03	LSB-16 (3.5-5.5)	05/02/18
18D1111-05	LSB-15 (1-3)	05/02/18

Batch ID: BE80183 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18D1111-02	LSB-16 (1.5-3.5)	05/03/18
18D1111-03	LSB-16 (3.5-5.5)	05/03/18



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
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Batch BD81390 - EPA 5035A

Blank (BD81390-BLK1)

Prepared & Analyzed: 04/30/2018

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	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			

Batch BD81390 - EPA 5035A

Blank (BD81390-BLK1)

Prepared & Analyzed: 04/30/2018

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	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.8</i>		<i>ug/L</i>	<i>50.0</i>		<i>99.6</i>		<i>77-125</i>					
<i>Surrogate: Toluene-d8</i>	<i>47.8</i>		<i>"</i>	<i>50.0</i>		<i>95.5</i>		<i>85-120</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>		<i>100</i>		<i>76-130</i>					

LCS (BD81390-BS1)

Prepared & Analyzed: 04/30/2018

1,1,1,2-Tetrachloroethane	46.6		ug/L	50.0		93.2		75-129				30
1,1,1-Trichloroethane	47.0		"	50.0		94.0		70-130				30
1,1,1,2-Tetrachloroethane	47.8		"	50.0		95.6		70-130				30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.5		"	50.0		101		70-130				30
1,1,2-Trichloroethane	48.3		"	50.0		96.7		70-130				30
1,1-Dichloroethane	50.0		"	50.0		100		70-130				30
1,1-Dichloroethylene	54.2		"	50.0		108		70-130				30
1,1-Dichloropropylene	48.7		"	50.0		97.3		77-127				30
1,2,3-Trichlorobenzene	46.0		"	50.0		91.9		70-130				30
1,2,3-Trichloropropane	45.2		"	50.0		90.4		81-126				30
1,2,4-Trichlorobenzene	44.9		"	50.0		89.9		70-130				30
1,2,4-Trimethylbenzene	43.7		"	50.0		87.4		84-125				30
1,2-Dibromo-3-chloropropane	48.0		"	50.0		96.1		40-160				30
1,2-Dibromoethane	46.9		"	50.0		93.8		70-130				30
1,2-Dichlorobenzene	43.5		"	50.0		87.1		70-130				30
1,2-Dichloroethane	49.7		"	50.0		99.4		70-130				30
1,2-Dichloropropane	50.9		"	50.0		102		70-130				30
1,3,5-Trimethylbenzene	43.3		"	50.0		86.6		82-126				30
1,3-Dichlorobenzene	44.4		"	50.0		88.8		70-130				30
1,3-Dichloropropane	49.4		"	50.0		98.7		83-123				30
1,4-Dichlorobenzene	43.4		"	50.0		86.9		70-130				30
1,4-Dioxane	1070		"	1050		102		40-160				30
2,2-Dichloropropane	49.3		"	50.0		98.6		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
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Batch BD81390 - EPA 5035A

LCS (BD81390-BS1)

Prepared & Analyzed: 04/30/2018

2-Butanone	50.7		ug/L	50.0		101	40-160				30
2-Chlorotoluene	44.7		"	50.0		89.5	78-127				30
2-Hexanone	49.2		"	50.0		98.4	40-160				30
4-Chlorotoluene	44.3		"	50.0		88.6	79-125				30
4-Methyl-2-pentanone	50.1		"	50.0		100	40-160				30
Acetone	42.5		"	50.0		84.9	40-160				30
Acrolein	64.0		"	50.0		128	10-238				30
Acrylonitrile	51.3		"	50.0		103	66-141				30
Benzene	47.4		"	50.0		94.8	70-130				30
Bromobenzene	46.9		"	50.0		93.7	77-129				30
Bromochloromethane	49.8		"	50.0		99.7	70-130				30
Bromodichloromethane	50.8		"	50.0		102	70-130				30
Bromoform	47.1		"	50.0		94.2	70-130				30
Bromomethane	51.6		"	50.0		103	40-160				30
Carbon disulfide	56.9		"	50.0		114	40-160				30
Carbon tetrachloride	48.5		"	50.0		97.0	70-130				30
Chlorobenzene	44.8		"	50.0		89.6	70-130				30
Chloroethane	55.8		"	50.0		112	51-142				30
Chloroform	48.9		"	50.0		97.8	70-130				30
Chloromethane	52.5		"	50.0		105	49-132				30
cis-1,2-Dichloroethylene	45.9		"	50.0		91.7	70-130				30
cis-1,3-Dichloropropylene	49.9		"	50.0		99.8	70-130				30
Cyclohexane	50.4		"	50.0		101	70-130				30
Dibromochloromethane	48.4		"	50.0		96.8	70-130				30
Dibromomethane	47.7		"	50.0		95.3	83-124				30
Dichlorodifluoromethane	60.3		"	50.0		121	40-160				30
Ethyl Benzene	47.1		"	50.0		94.3	70-130				30
Hexachlorobutadiene	47.6		"	50.0		95.2	83-133				30
Isopropylbenzene	42.5		"	50.0		85.0	70-130				30
Methyl acetate	47.8		"	50.0		95.5	70-130				30
Methyl tert-butyl ether (MTBE)	50.2		"	50.0		100	70-130				30
Methylcyclohexane	49.1		"	50.0		98.1	70-130				30
Methylene chloride	41.9		"	50.0		83.8	70-130				30
n-Butylbenzene	45.3		"	50.0		90.5	80-130				30
n-Propylbenzene	44.3		"	50.0		88.6	74-136				30
o-Xylene	47.4		"	50.0		94.8	70-130				30
p- & m- Xylenes	93.9		"	100		93.9	70-130				30
p-Isopropyltoluene	43.7		"	50.0		87.4	85-125				30
sec-Butylbenzene	45.7		"	50.0		91.4	83-125				30
Styrene	46.0		"	50.0		91.9	70-130				30
tert-Butyl alcohol (TBA)	266		"	250		106	70-130				30
tert-Butylbenzene	43.5		"	50.0		87.1	80-127				30
Tetrachloroethylene	45.8		"	50.0		91.5	70-130				30
Toluene	46.7		"	50.0		93.4	70-130				30
trans-1,2-Dichloroethylene	49.4		"	50.0		98.8	70-130				30
trans-1,3-Dichloropropylene	48.5		"	50.0		97.0	70-130				30
Trichloroethylene	47.8		"	50.0		95.7	70-130				30
Trichlorofluoromethane	51.4		"	50.0		103	40-160				30
Vinyl Chloride	57.1		"	50.0		114	70-130				30
Surrogate: 1,2-Dichloroethane-d4	50.5		"	50.0		101	77-125				
Surrogate: Toluene-d8	49.1		"	50.0		98.1	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
Batch BD81390 - EPA 5035A										
LCS (BD81390-BS1)										
Prepared & Analyzed: 04/30/2018										
<i>Surrogate: p-Bromofluorobenzene</i>	49.1		ug/L	50.0		98.2	76-130			
LCS Dup (BD81390-BSD1)										
Prepared & Analyzed: 04/30/2018										
1,1,1,2-Tetrachloroethane	44.0		ug/L	50.0		88.0	75-129		5.74	30
1,1,1-Trichloroethane	45.0		"	50.0		90.0	70-130		4.32	30
1,1,2,2-Tetrachloroethane	45.0		"	50.0		89.9	70-130		6.12	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.2		"	50.0		96.3	70-130		4.78	30
1,1,2-Trichloroethane	45.6		"	50.0		91.2	70-130		5.79	30
1,1-Dichloroethane	48.8		"	50.0		97.6	70-130		2.55	30
1,1-Dichloroethylene	51.3		"	50.0		103	70-130		5.50	30
1,1-Dichloropropylene	47.1		"	50.0		94.2	77-127		3.26	30
1,2,3-Trichlorobenzene	45.0		"	50.0		90.0	70-130		2.09	30
1,2,3-Trichloropropane	42.7		"	50.0		85.3	81-126		5.80	30
1,2,4-Trichlorobenzene	44.0		"	50.0		88.1	70-130		2.00	30
1,2,4-Trimethylbenzene	42.0		"	50.0		84.1	84-125		3.85	30
1,2-Dibromo-3-chloropropane	46.6		"	50.0		93.2	40-160		3.02	30
1,2-Dibromoethane	43.7		"	50.0		87.5	70-130		7.02	30
1,2-Dichlorobenzene	43.0		"	50.0		86.0	70-130		1.29	30
1,2-Dichloroethane	47.9		"	50.0		95.7	70-130		3.77	30
1,2-Dichloropropane	48.8		"	50.0		97.6	70-130		4.25	30
1,3,5-Trimethylbenzene	41.4		"	50.0		82.7	82-126		4.56	30
1,3-Dichlorobenzene	43.0		"	50.0		86.0	70-130		3.20	30
1,3-Dichloropropane	47.4		"	50.0		94.8	83-123		4.11	30
1,4-Dichlorobenzene	42.1		"	50.0		84.1	70-130		3.25	30
1,4-Dioxane	1060		"	1050		101	40-160		1.17	30
2,2-Dichloropropane	46.9		"	50.0		93.8	67-136		5.01	30
2-Butanone	45.7		"	50.0		91.4	40-160		10.3	30
2-Chlorotoluene	43.6		"	50.0		87.2	78-127		2.58	30
2-Hexanone	47.2		"	50.0		94.3	40-160		4.30	30
4-Chlorotoluene	42.2		"	50.0		84.3	79-125		4.97	30
4-Methyl-2-pentanone	46.3		"	50.0		92.7	40-160		7.84	30
Acetone	38.1		"	50.0		76.2	40-160		10.8	30
Acrolein	57.3		"	50.0		115	10-238		11.0	30
Acrylonitrile	49.2		"	50.0		98.5	66-141		4.04	30
Benzene	45.4		"	50.0		90.8	70-130		4.35	30
Bromobenzene	44.7		"	50.0		89.5	77-129		4.67	30
Bromochloromethane	47.6		"	50.0		95.3	70-130		4.53	30
Bromodichloromethane	49.2		"	50.0		98.5	70-130		3.08	30
Bromoform	44.0		"	50.0		88.1	70-130		6.74	30
Bromomethane	50.6		"	50.0		101	40-160		1.94	30
Carbon disulfide	54.0		"	50.0		108	40-160		5.25	30
Carbon tetrachloride	46.2		"	50.0		92.4	70-130		4.88	30
Chlorobenzene	42.9		"	50.0		85.8	70-130		4.26	30
Chloroethane	55.6		"	50.0		111	51-142		0.341	30
Chloroform	47.3		"	50.0		94.6	70-130		3.24	30
Chloromethane	50.8		"	50.0		102	49-132		3.17	30
cis-1,2-Dichloroethylene	43.7		"	50.0		87.5	70-130		4.75	30
cis-1,3-Dichloropropylene	46.1		"	50.0		92.2	70-130		7.90	30
Cyclohexane	47.6		"	50.0		95.3	70-130		5.67	30
Dibromochloromethane	45.8		"	50.0		91.6	70-130		5.44	30
Dibromomethane	45.2		"	50.0		90.3	83-124		5.39	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
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Batch BD81390 - EPA 5035A

LCS Dup (BD81390-BSD1)

Prepared & Analyzed: 04/30/2018

Dichlorodifluoromethane	58.9		ug/L	50.0		118	40-160		2.32	30	
Ethyl Benzene	45.3		"	50.0		90.7	70-130		3.91	30	
Hexachlorobutadiene	47.2		"	50.0		94.3	83-133		0.971	30	
Isopropylbenzene	41.0		"	50.0		81.9	70-130		3.67	30	
Methyl acetate	44.3		"	50.0		88.6	70-130		7.58	30	
Methyl tert-butyl ether (MTBE)	48.6		"	50.0		97.1	70-130		3.40	30	
Methylcyclohexane	46.1		"	50.0		92.2	70-130		6.20	30	
Methylene chloride	40.4		"	50.0		80.7	70-130		3.75	30	
n-Butylbenzene	43.6		"	50.0		87.2	80-130		3.74	30	
n-Propylbenzene	41.8		"	50.0		83.6	74-136		5.79	30	
o-Xylene	45.7		"	50.0		91.4	70-130		3.63	30	
p- & m- Xylenes	91.0		"	100		91.0	70-130		3.15	30	
p-Isopropyltoluene	42.5		"	50.0		85.0	85-125		2.83	30	
sec-Butylbenzene	44.0		"	50.0		87.9	83-125		3.86	30	
Styrene	44.1		"	50.0		88.2	70-130		4.15	30	
tert-Butyl alcohol (TBA)	246		"	250		98.6	70-130		7.65	30	
tert-Butylbenzene	40.9		"	50.0		81.8	80-127		6.21	30	
Tetrachloroethylene	42.6		"	50.0		85.2	70-130		7.22	30	
Toluene	43.9		"	50.0		87.8	70-130		6.14	30	
trans-1,2-Dichloroethylene	47.6		"	50.0		95.2	70-130		3.77	30	
trans-1,3-Dichloropropylene	45.7		"	50.0		91.4	70-130		5.94	30	
Trichloroethylene	44.6		"	50.0		89.1	70-130		7.10	30	
Trichlorofluoromethane	49.6		"	50.0		99.2	40-160		3.62	30	
Vinyl Chloride	54.8		"	50.0		110	70-130		4.00	30	
Surrogate: 1,2-Dichloroethane-d4	49.4		"	50.0		98.7	77-125				
Surrogate: Toluene-d8	48.9		"	50.0		97.9	85-120				
Surrogate: p-Bromofluorobenzene	49.8		"	50.0		99.6	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD81392 - EPA 5030B

Blank (BD81392-BLK1)

Prepared & Analyzed: 04/30/2018

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
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Batch BD81392 - EPA 5030B

Blank (BD81392-BLK1)

Prepared & Analyzed: 04/30/2018

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	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.82		"	10.0		98.2	70-130				
<i>Surrogate: Toluene-d8</i>	10.8		"	10.0		108	70-130				
<i>Surrogate: p-Bromofluorobenzene</i>	11.0		"	10.0		110	70-130				

LCS (BD81392-BS1)

Prepared & Analyzed: 04/30/2018

1,1,1,2-Tetrachloroethane	10.0		ug/L	10.0		100	82-126			30	
1,1,1-Trichloroethane	9.38		"	10.0		93.8	70-130			20	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.38		"	10.0		93.8	70-130			20	
1,1,2-Trichloroethane	10.2		"	10.0		102	70-130			20	
1,1-Dichloroethane	9.58		"	10.0		95.8	70-130			20	
1,1-Dichloroethylene	9.55		"	10.0		95.5	70-130			20	
1,1-Dichloropropylene	9.52		"	10.0		95.2	83-133			30	
1,2,3-Trichlorobenzene	7.44		"	10.0		74.4	70-130			20	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128			30	
1,2,4-Trichlorobenzene	7.76		"	10.0		77.6	70-130			20	
1,2,4-Trimethylbenzene	9.96		"	10.0		99.6	82-132			20	
1,2-Dibromo-3-chloropropane	9.62		"	10.0		96.2	40-160			20	
1,2-Dibromoethane	9.80		"	10.0		98.0	70-130			20	
1,2-Dichlorobenzene	9.68		"	10.0		96.8	70-130			20	
1,2-Dichloroethane	9.73		"	10.0		97.3	70-130			20	
1,2-Dichloropropane	10.5		"	10.0		105	70-130			20	
1,3,5-Trimethylbenzene	9.92		"	10.0		99.2	80-131			30	
1,3-Dichlorobenzene	9.74		"	10.0		97.4	70-130			20	
1,3-Dichloropropane	10.5		"	10.0		105	81-125			30	
1,4-Dichlorobenzene	9.58		"	10.0		95.8	70-130			20	
1,4-Dioxane	161		"	210		76.8	40-160			20	
2,2-Dichloropropane	9.73		"	10.0		97.3	56-150			30	
2-Butanone	9.90		"	10.0		99.0	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 BD81392 - EPA 5030B											
LCS (BD81392-BS1)											
										Prepared & Analyzed: 04/30/2018	
2-Chlorotoluene	10.7		ug/L	10.0		107	79-130			30	
2-Hexanone	9.82		"	10.0		98.2	40-160			20	
4-Chlorotoluene	10.5		"	10.0		105	79-128			30	
4-Methyl-2-pentanone	10.0		"	10.0		100	40-160			20	
Acetone	7.70		"	10.0		77.0	40-160			20	
Acrolein	5.95		"	10.0		59.5	10-153			30	
Acrylonitrile	9.53		"	10.0		95.3	51-150			30	
Benzene	9.73		"	10.0		97.3	70-130			20	
Bromobenzene	10.4		"	10.0		104	78-129			30	
Bromochloromethane	9.31		"	10.0		93.1	70-130			20	
Bromodichloromethane	10.4		"	10.0		104	70-130			20	
Bromoform	8.84		"	10.0		88.4	70-130			20	
Bromomethane	9.75		"	10.0		97.5	40-160			20	
Carbon disulfide	9.72		"	10.0		97.2	40-160			20	
Carbon tetrachloride	9.18		"	10.0		91.8	70-130			20	
Chlorobenzene	10.2		"	10.0		102	70-130			20	
Chloroethane	7.72		"	10.0		77.2	40-160			20	
Chloroform	9.62		"	10.0		96.2	70-130			20	
Chloromethane	9.59		"	10.0		95.9	40-160			20	
cis-1,2-Dichloroethylene	9.47		"	10.0		94.7	70-130			20	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130			20	
Cyclohexane	9.89		"	10.0		98.9	70-130			20	
Dibromochloromethane	9.80		"	10.0		98.0	70-130			20	
Dibromomethane	10.5		"	10.0		105	72-134			30	
Dichlorodifluoromethane	11.3		"	10.0		113	40-160			20	
Ethyl Benzene	10.6		"	10.0		106	70-130			20	
Hexachlorobutadiene	6.71		"	10.0		67.1	67-146			30	
Isopropylbenzene	9.79		"	10.0		97.9	70-130			20	
Methyl acetate	8.95		"	10.0		89.5	70-130			20	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	70-130			20	
Methylcyclohexane	10.5		"	10.0		105	70-130			20	
Methylene chloride	8.89		"	10.0		88.9	70-130			20	
n-Butylbenzene	10.4		"	10.0		104	79-132			30	
n-Propylbenzene	10.7		"	10.0		107	78-133			30	
o-Xylene	10.6		"	10.0		106	70-130			20	
p- & m- Xylenes	21.2		"	20.0		106	70-130			20	
p-Isopropyltoluene	9.84		"	10.0		98.4	81-136			30	
sec-Butylbenzene	10.2		"	10.0		102	79-137			30	
Styrene	9.67		"	10.0		96.7	70-130			20	
tert-Butyl alcohol (TBA)	28.0		"	50.0		56.1	25-162			30	
tert-Butylbenzene	9.68		"	10.0		96.8	77-138			30	
Tetrachloroethylene	7.89		"	10.0		78.9	70-130			20	
Toluene	10.4		"	10.0		104	70-130			20	
trans-1,2-Dichloroethylene	9.27		"	10.0		92.7	70-130			20	
trans-1,3-Dichloropropylene	9.93		"	10.0		99.3	70-130			20	
Trichloroethylene	10.0		"	10.0		100	70-130			20	
Trichlorofluoromethane	8.39		"	10.0		83.9	40-160			20	
Vinyl Chloride	8.71		"	10.0		87.1	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	9.97		"	10.0		99.7	70-130				
Surrogate: Toluene-d8	10.8		"	10.0		108	70-130				
Surrogate: p-Bromofluorobenzene	10.7		"	10.0		107	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
Batch BD81392 - EPA 5030B										
LCS Dup (BD81392-BSD1)										
Prepared & Analyzed: 04/30/2018										
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0	105	82-126			4.39	30
1,1,1-Trichloroethane	9.33		"	10.0	93.3	70-130			0.534	20
1,1,2,2-Tetrachloroethane	11.0		"	10.0	110	70-130			0.544	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.36		"	10.0	83.6	70-130			11.5	20
1,1,2-Trichloroethane	10.4		"	10.0	104	70-130			2.14	20
1,1-Dichloroethane	9.81		"	10.0	98.1	70-130			2.37	20
1,1-Dichloroethylene	9.25		"	10.0	92.5	70-130			3.19	20
1,1-Dichloropropylene	9.41		"	10.0	94.1	83-133			1.16	30
1,2,3-Trichlorobenzene	8.21		"	10.0	82.1	70-130			9.84	20
1,2,3-Trichloropropane	10.9		"	10.0	109	77-128			2.04	30
1,2,4-Trichlorobenzene	8.33		"	10.0	83.3	70-130			7.09	20
1,2,4-Trimethylbenzene	10.4		"	10.0	104	82-132			3.94	20
1,2-Dibromo-3-chloropropane	9.50		"	10.0	95.0	40-160			1.26	20
1,2-Dibromoethane	9.70		"	10.0	97.0	70-130			1.03	20
1,2-Dichlorobenzene	10.1		"	10.0	101	70-130			3.95	20
1,2-Dichloroethane	9.74		"	10.0	97.4	70-130			0.103	20
1,2-Dichloropropane	10.7		"	10.0	107	70-130			1.80	20
1,3,5-Trimethylbenzene	10.4		"	10.0	104	80-131			4.24	30
1,3-Dichlorobenzene	10.1		"	10.0	101	70-130			3.83	20
1,3-Dichloropropane	10.5		"	10.0	105	81-125			0.191	30
1,4-Dichlorobenzene	9.95		"	10.0	99.5	70-130			3.79	20
1,4-Dioxane	146		"	210	69.6	40-160			9.87	20
2,2-Dichloropropane	9.64		"	10.0	96.4	56-150			0.929	30
2-Butanone	8.94		"	10.0	89.4	40-160			10.2	20
2-Chlorotoluene	11.2		"	10.0	112	79-130			5.12	30
2-Hexanone	9.30		"	10.0	93.0	40-160			5.44	20
4-Chlorotoluene	11.1		"	10.0	111	79-128			5.54	30
4-Methyl-2-pentanone	9.67		"	10.0	96.7	40-160			3.46	20
Acetone	6.78		"	10.0	67.8	40-160			12.7	20
Acrolein	5.04		"	10.0	50.4	10-153			16.6	30
Acrylonitrile	8.65		"	10.0	86.5	51-150			9.68	30
Benzene	9.93		"	10.0	99.3	70-130			2.03	20
Bromobenzene	10.9		"	10.0	109	78-129			4.88	30
Bromochloromethane	9.35		"	10.0	93.5	70-130			0.429	20
Bromodichloromethane	10.7		"	10.0	107	70-130			2.94	20
Bromoform	8.65		"	10.0	86.5	70-130			2.17	20
Bromomethane	10.2		"	10.0	102	40-160			4.61	20
Carbon disulfide	9.57		"	10.0	95.7	40-160			1.56	20
Carbon tetrachloride	8.84		"	10.0	88.4	70-130			3.77	20
Chlorobenzene	10.6		"	10.0	106	70-130			3.27	20
Chloroethane	7.52		"	10.0	75.2	40-160			2.62	20
Chloroform	9.85		"	10.0	98.5	70-130			2.36	20
Chloromethane	9.38		"	10.0	93.8	40-160			2.21	20
cis-1,2-Dichloroethylene	9.66		"	10.0	96.6	70-130			1.99	20
cis-1,3-Dichloropropylene	10.3		"	10.0	103	70-130			1.76	20
Cyclohexane	9.04		"	10.0	90.4	70-130			8.98	20
Dibromochloromethane	10.0		"	10.0	100	70-130			2.22	20
Dibromomethane	10.3		"	10.0	103	72-134			2.03	30
Dichlorodifluoromethane	10.1		"	10.0	101	40-160			11.5	20
Ethyl Benzene	10.7		"	10.0	107	70-130			1.12	20
Hexachlorobutadiene	6.99		"	10.0	69.9	67-146			4.09	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD81392 - EPA 5030B

LCS Dup (BD81392-BSD1)

Prepared & Analyzed: 04/30/2018

Isopropylbenzene	10.1		ug/L	10.0		101	70-130			3.51	20
Methyl acetate	8.44		"	10.0		84.4	70-130			5.87	20
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	70-130			0.499	20
Methylcyclohexane	9.71		"	10.0		97.1	70-130			7.72	20
Methylene chloride	8.98		"	10.0		89.8	70-130			1.01	20
n-Butylbenzene	10.6		"	10.0		106	79-132			2.47	30
n-Propylbenzene	11.1		"	10.0		111	78-133			3.68	30
o-Xylene	10.8		"	10.0		108	70-130			2.34	20
p- & m- Xylenes	21.7		"	20.0		108	70-130			2.05	20
p-Isopropyltoluene	10.2		"	10.0		102	81-136			3.89	30
sec-Butylbenzene	10.4		"	10.0		104	79-137			2.63	30
Styrene	9.93		"	10.0		99.3	70-130			2.65	20
tert-Butyl alcohol (TBA)	24.3		"	50.0		48.6	25-162			14.3	30
tert-Butylbenzene	10.0		"	10.0		100	77-138			3.75	30
Tetrachloroethylene	7.73		"	10.0		77.3	70-130			2.05	20
Toluene	10.6		"	10.0		106	70-130			2.48	20
trans-1,2-Dichloroethylene	9.43		"	10.0		94.3	70-130			1.71	20
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130			1.99	20
Trichloroethylene	10.2		"	10.0		102	70-130			0.990	20
Trichlorofluoromethane	7.83		"	10.0		78.3	40-160			6.91	20
Vinyl Chloride	8.32		"	10.0		83.2	70-130			4.58	20
Surrogate: 1,2-Dichloroethane-d4	9.57		"	10.0		95.7	70-130				
Surrogate: Toluene-d8	10.8		"	10.0		108	70-130				
Surrogate: p-Bromofluorobenzene	11.0		"	10.0		110	70-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD81322 - EPA 3510C

Blank (BD81322-BLK1)

Prepared & Analyzed: 04/27/2018

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
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Batch BD81322 - EPA 3510C

Blank (BD81322-BLK1)

Prepared & Analyzed: 04/27/2018

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: 2-Fluorophenol	17.4		"	38.6		44.9	19.7-63.1				
Surrogate: Phenol-d5	9.25		"	38.1		24.3	10.1-41.7				
Surrogate: Nitrobenzene-d5	25.2		"	25.0		101	50.2-113				
Surrogate: 2-Fluorobiphenyl	18.6		"	24.9		74.9	39.9-105				
Surrogate: 2,4,6-Tribromophenol	36.6		"	39.2		93.4	39.3-151				
Surrogate: Terphenyl-d14	17.1		"	25.1		68.0	30.7-106				

Blank (BD81322-BLK2)

Prepared & Analyzed: 04/27/2018

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 BD81322 - EPA 3510C											
LCS (BD81322-BS1)											
Prepared & Analyzed: 04/27/2018											
1,1-Biphenyl	17.4	5.00	ug/L	25.0		69.8	33-95				
1,2,4,5-Tetrachlorobenzene	18.6	5.00	"	25.0		74.6	26-120				
1,2,4-Trichlorobenzene	15.9	5.00	"	25.0		63.6	20-118				
1,2-Dichlorobenzene	17.4	5.00	"	25.0		69.6	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	29.7	5.00	"	25.0		119	16-141				
1,3-Dichlorobenzene	16.9	5.00	"	25.0		67.5	23-117				
1,4-Dichlorobenzene	17.8	5.00	"	25.0		71.4	30-105				
2,3,4,6-Tetrachlorophenol	53.9	5.00	"	25.0		216	30-130	High Bias			
2,4,5-Trichlorophenol	18.2	5.00	"	25.0		72.9	32-114				
2,4,6-Trichlorophenol	19.2	5.00	"	25.0		76.8	35-118				
2,4-Dichlorophenol	17.2	5.00	"	25.0		68.8	25-116				
2,4-Dimethylphenol	17.6	5.00	"	25.0		70.5	15-116				
2,4-Dinitrophenol	19.7	5.00	"	25.0		78.8	10-170				
2,4-Dinitrotoluene	17.8	5.00	"	25.0		71.2	41-128				
2,6-Dinitrotoluene	20.4	5.00	"	25.0		81.6	45-116				
2-Chloronaphthalene	18.2	5.00	"	25.0		72.6	33-112				
2-Chlorophenol	16.3	5.00	"	25.0		65.0	15-120				
2-Methylnaphthalene	21.1	5.00	"	25.0		84.3	24-118				
2-Methylphenol	15.8	5.00	"	25.0		63.1	10-110				
2-Nitroaniline	17.0	5.00	"	25.0		67.8	34-129				
2-Nitrophenol	16.8	5.00	"	25.0		67.1	28-118				
3- & 4-Methylphenols	13.0	5.00	"	25.0		52.1	10-107				
3,3-Dichlorobenzidine	18.0	5.00	"	25.0		72.2	15-187				
3-Nitroaniline	17.3	5.00	"	25.0		69.2	24-134				
4,6-Dinitro-2-methylphenol	20.7	5.00	"	25.0		82.8	10-153				
4-Bromophenyl phenyl ether	19.9	5.00	"	25.0		79.5	34-120				
4-Chloro-3-methylphenol	19.9	5.00	"	25.0		79.8	20-120				
4-Chloroaniline	8.49	5.00	"	25.0		34.0	10-147				
4-Chlorophenyl phenyl ether	20.6	5.00	"	25.0		82.3	27-121				
4-Nitroaniline	18.2	5.00	"	25.0		72.9	13-134				
4-Nitrophenol	10.6	5.00	"	25.0		42.6	10-131				
Acetophenone	19.8	5.00	"	25.0		79.2	25-110				
Aniline	8.49	5.00	"	25.0		34.0	10-117				
Benzaldehyde	19.6	5.00	"	25.0		78.4	29-117				
Benzoic acid	8.73	50.0	"	25.4		34.4	30-130				
Benzyl alcohol	12.1	5.00	"	25.0		48.2	10-117				
Benzyl butyl phthalate	21.3	5.00	"	25.0		85.2	29-133				
Bis(2-chloroethoxy)methane	19.9	5.00	"	25.0		79.7	10-154				
Bis(2-chloroethyl)ether	20.6	5.00	"	25.0		82.2	17-125				
Bis(2-chloroisopropyl)ether	32.8	5.00	"	25.0		131	10-139				
Caprolactam	9.42	5.00	"	25.0		37.7	10-137				
Carbazole	23.4	5.00	"	25.0		93.6	42-126				
Dibenzofuran	17.5	5.00	"	25.0		70.0	36-113				
Diethyl phthalate	20.2	5.00	"	25.0		80.8	38-115				
Dimethyl phthalate	19.1	5.00	"	25.0		76.5	38-129				
Di-n-butyl phthalate	23.7	5.00	"	25.0		94.9	31-120				
Di-n-octyl phthalate	21.7	5.00	"	25.0		87.0	21-149				
Hexachlorocyclopentadiene	19.4	10.0	"	25.0		77.5	10-130				
Isophorone	23.6	5.00	"	25.0		94.4	25-127				
N-nitroso-di-n-propylamine	26.1	5.00	"	25.0		104	26-122				
N-Nitrosodiphenylamine	25.1	5.00	"	25.0		100	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
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Batch BD81322 - EPA 3510C

LCS (BD81322-BS1)

Prepared & Analyzed: 04/27/2018

Phenol	5.80	5.00	ug/L	25.0		23.2	10-110				
Pyridine	4.47	5.00	"	35.0		12.8	10-90				
<i>Surrogate: 2-Fluorophenol</i>	<i>14.4</i>		<i>"</i>	<i>38.6</i>		<i>37.2</i>	<i>19.7-63.1</i>				
<i>Surrogate: Phenol-d5</i>	<i>9.23</i>		<i>"</i>	<i>38.1</i>		<i>24.2</i>	<i>10.1-41.7</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>22.1</i>		<i>"</i>	<i>25.0</i>		<i>88.5</i>	<i>50.2-113</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>16.1</i>		<i>"</i>	<i>24.9</i>		<i>64.7</i>	<i>39.9-105</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>34.7</i>		<i>"</i>	<i>39.2</i>		<i>88.4</i>	<i>39.3-151</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>12.0</i>		<i>"</i>	<i>25.1</i>		<i>47.7</i>	<i>30.7-106</i>				

LCS (BD81322-BS2)

Prepared & Analyzed: 04/27/2018

Acenaphthene	0.600	0.0500	ug/L	1.00		60.0	25-116				
Acenaphthylene	0.750	0.0500	"	1.00		75.0	26-116				
Anthracene	0.770	0.0500	"	1.00		77.0	25-123				
Benzo(a)anthracene	0.840	0.0500	"	1.00		84.0	33-125				
Benzo(a)pyrene	0.820	0.0500	"	1.00		82.0	32-132				
Benzo(b)fluoranthene	0.810	0.0500	"	1.00		81.0	22-137				
Benzo(g,h,i)perylene	0.810	0.0500	"	1.00		81.0	10-138				
Benzo(k)fluoranthene	0.730	0.0500	"	1.00		73.0	20-137				
Bis(2-ethylhexyl)phthalate	0.930	0.500	"	1.00		93.0	10-189				
Chrysene	0.660	0.0500	"	1.00		66.0	32-124				
Dibenzo(a,h)anthracene	0.790	0.0500	"	1.00		79.0	16-133				
Fluoranthene	0.740	0.0500	"	1.00		74.0	32-121				
Fluorene	0.700	0.0500	"	1.00		70.0	28-118				
Hexachlorobenzene	0.690	0.0200	"	1.00		69.0	23-124				
Hexachlorobutadiene	0.410	0.500	"	1.00		41.0	15-123				
Hexachloroethane	0.410	0.500	"	1.00		41.0	18-115				
Indeno(1,2,3-cd)pyrene	0.800	0.0500	"	1.00		80.0	15-135				
Naphthalene	0.600	0.0500	"	1.00		60.0	18-120				
Nitrobenzene	0.740	0.250	"	1.00		74.0	21-121				
N-Nitrosodimethylamine	0.160	0.500	"	1.00		16.0	10-124				
Pentachlorophenol	0.560	0.250	"	1.00		56.0	10-156				
Phenanthrene	0.700	0.0500	"	1.00		70.0	24-127				
Pyrene	0.700	0.0500	"	1.00		70.0	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 BD81322 - EPA 3510C											
LCS Dup (BD81322-BSD1)											
										Prepared & Analyzed: 04/27/2018	
1,1-Biphenyl	19.2	5.00	ug/L	25.0		76.7	33-95		9.50	20	
1,2,4,5-Tetrachlorobenzene	19.8	5.00	"	25.0		79.4	26-120		6.23	20	
1,2,4-Trichlorobenzene	16.8	5.00	"	25.0		67.2	20-118		5.50	20	
1,2-Dichlorobenzene	17.6	5.00	"	25.0		70.2	29-111		0.858	20	
1,2-Diphenylhydrazine (as Azobenzene)	31.8	5.00	"	25.0		127	16-141		6.67	20	
1,3-Dichlorobenzene	17.5	5.00	"	25.0		69.9	23-117		3.44	20	
1,4-Dichlorobenzene	17.9	5.00	"	25.0		71.5	30-105		0.168	20	
2,3,4,6-Tetrachlorophenol	54.6	5.00	"	25.0		218	30-130	High Bias	1.20	20	
2,4,5-Trichlorophenol	20.0	5.00	"	25.0		80.1	32-114		9.46	20	
2,4,6-Trichlorophenol	19.2	5.00	"	25.0		77.0	35-118		0.260	20	
2,4-Dichlorophenol	19.0	5.00	"	25.0		75.9	25-116		9.85	20	
2,4-Dimethylphenol	17.9	5.00	"	25.0		71.6	15-116		1.52	20	
2,4-Dinitrophenol	20.6	5.00	"	25.0		82.6	10-170		4.66	20	
2,4-Dinitrotoluene	18.0	5.00	"	25.0		72.2	41-128		1.34	20	
2,6-Dinitrotoluene	22.1	5.00	"	25.0		88.3	45-116		7.91	20	
2-Chloronaphthalene	19.8	5.00	"	25.0		79.3	33-112		8.79	20	
2-Chlorophenol	16.6	5.00	"	25.0		66.3	15-120		1.95	20	
2-Methylnaphthalene	21.0	5.00	"	25.0		83.9	24-118		0.523	20	
2-Methylphenol	15.6	5.00	"	25.0		62.6	10-110		0.828	20	
2-Nitroaniline	20.0	5.00	"	25.0		80.2	34-129		16.7	20	
2-Nitrophenol	17.9	5.00	"	25.0		71.5	28-118		6.35	20	
3- & 4-Methylphenols	13.2	5.00	"	25.0		52.8	10-107		1.37	20	
3,3-Dichlorobenzidine	18.6	5.00	"	25.0		74.2	15-187		2.73	20	
3-Nitroaniline	18.1	5.00	"	25.0		72.4	24-134		4.57	20	
4,6-Dinitro-2-methylphenol	21.5	5.00	"	25.0		85.9	10-153		3.65	20	
4-Bromophenyl phenyl ether	21.6	5.00	"	25.0		86.2	34-120		8.11	20	
4-Chloro-3-methylphenol	21.3	5.00	"	25.0		85.3	20-120		6.74	20	
4-Chloroaniline	9.51	5.00	"	25.0		38.0	10-147		11.3	20	
4-Chlorophenyl phenyl ether	19.8	5.00	"	25.0		79.2	27-121		3.81	20	
4-Nitroaniline	15.4	5.00	"	25.0		61.8	13-134		16.5	20	
4-Nitrophenol	11.1	5.00	"	25.0		44.3	10-131		3.87	20	
Acetophenone	19.9	5.00	"	25.0		79.5	25-110		0.454	20	
Aniline	8.10	5.00	"	25.0		32.4	10-117		4.70	20	
Benzaldehyde	19.8	5.00	"	25.0		79.3	29-117		1.07	20	
Benzoic acid	9.83	50.0	"	25.4		38.7	30-130		11.9	20	
Benzyl alcohol	12.1	5.00	"	25.0		48.4	10-117		0.414	20	
Benzyl butyl phthalate	25.6	5.00	"	25.0		102	29-133		18.4	20	
Bis(2-chloroethoxy)methane	21.3	5.00	"	25.0		85.2	10-154		6.74	20	
Bis(2-chloroethyl)ether	20.5	5.00	"	25.0		82.1	17-125		0.195	20	
Bis(2-chloroisopropyl)ether	31.5	5.00	"	25.0		126	10-139		4.04	20	
Caprolactam	8.77	5.00	"	25.0		35.1	10-137		7.15	20	
Carbazole	24.6	5.00	"	25.0		98.6	42-126		5.25	20	
Dibenzofuran	18.0	5.00	"	25.0		72.1	36-113		2.93	20	
Diethyl phthalate	21.0	5.00	"	25.0		83.9	38-115		3.74	20	
Dimethyl phthalate	21.6	5.00	"	25.0		86.2	38-129		11.9	20	
Di-n-butyl phthalate	24.8	5.00	"	25.0		99.1	31-120		4.29	20	
Di-n-octyl phthalate	24.8	5.00	"	25.0		99.4	21-149		13.3	20	
Hexachlorocyclopentadiene	19.5	10.0	"	25.0		78.0	10-130		0.617	20	
Isophorone	24.8	5.00	"	25.0		99.2	25-127		5.00	20	
N-nitroso-di-n-propylamine	24.5	5.00	"	25.0		98.0	26-122		6.21	20	
N-Nitrosodiphenylamine	27.0	5.00	"	25.0		108	23-149		7.49	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD81322 - EPA 3510C

LCS Dup (BD81322-BSD1)

Prepared & Analyzed: 04/27/2018

Phenol	6.37	5.00	ug/L	25.0		25.5	10-110		9.37	20	
Pyridine	4.98	5.00	"	35.0		14.2	10-90		10.8	20	
<i>Surrogate: 2-Fluorophenol</i>	<i>16.2</i>		<i>"</i>	<i>38.6</i>		<i>41.8</i>	<i>19.7-63.1</i>				
<i>Surrogate: Phenol-d5</i>	<i>9.56</i>		<i>"</i>	<i>38.1</i>		<i>25.1</i>	<i>10.1-41.7</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>23.6</i>		<i>"</i>	<i>25.0</i>		<i>94.2</i>	<i>50.2-113</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>18.2</i>		<i>"</i>	<i>24.9</i>		<i>73.0</i>	<i>39.9-105</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>37.1</i>		<i>"</i>	<i>39.2</i>		<i>94.6</i>	<i>39.3-151</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>16.4</i>		<i>"</i>	<i>25.1</i>		<i>65.3</i>	<i>30.7-106</i>				

Batch BE80010 - EPA 3550C

Blank (BE80010-BLK1)

Prepared & Analyzed: 05/01/2018

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	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80010 - EPA 3550C

Blank (BE80010-BLK1)

Prepared & Analyzed: 05/01/2018

Benzo(a)anthracene	ND	0.0417	mg/kg wet								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: 2-Fluorophenol	1.47		"	2.58		57.1	20-108				
Surrogate: Phenol-d5	1.28		"	2.54		50.3	23-114				
Surrogate: Nitrobenzene-d5	1.05		"	1.67		63.1	22-108				
Surrogate: 2-Fluorobiphenyl	0.855		"	1.66		51.5	21-113				
Surrogate: 2,4,6-Tribromophenol	1.24		"	2.61		47.3	19-110				
Surrogate: Terphenyl-d14	0.759		"	1.67		45.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80010 - EPA 3550C											
LCS (BE80010-BS1)											
Prepared & Analyzed: 05/01/2018											
1,1-Biphenyl	0.820	0.0417	mg/kg wet	0.833		98.4	18-111				
1,2,4,5-Tetrachlorobenzene	1.03	0.0833	"	0.833		124	21-131				
1,2,4-Trichlorobenzene	0.891	0.0417	"	0.833		107	10-140				
1,2-Dichlorobenzene	0.779	0.0417	"	0.833		93.5	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.506	0.0417	"	0.833		60.7	17-137				
1,3-Dichlorobenzene	0.782	0.0417	"	0.833		93.8	33-110				
1,4-Dichlorobenzene	0.785	0.0417	"	0.833		94.2	32-104				
2,3,4,6-Tetrachlorophenol	0.930	0.0833	"	0.833		112	30-130				
2,4,5-Trichlorophenol	1.05	0.0417	"	0.833		126	27-118	High Bias			
2,4,6-Trichlorophenol	1.03	0.0417	"	0.833		123	31-120	High Bias			
2,4-Dichlorophenol	0.972	0.0417	"	0.833		117	20-127				
2,4-Dimethylphenol	0.896	0.0417	"	0.833		108	14-132				
2,4-Dinitrophenol	0.925	0.0833	"	0.833		111	10-171				
2,4-Dinitrotoluene	1.11	0.0417	"	0.833		134	34-131	High Bias			
2,6-Dinitrotoluene	1.08	0.0417	"	0.833		130	31-128	High Bias			
2-Chloronaphthalene	0.821	0.0417	"	0.833		98.5	31-117				
2-Chlorophenol	0.812	0.0417	"	0.833		97.4	33-113				
2-Methylnaphthalene	0.921	0.0417	"	0.833		110	12-138				
2-Methylphenol	0.777	0.0417	"	0.833		93.3	10-136				
2-Nitroaniline	0.921	0.0833	"	0.833		110	27-132				
2-Nitrophenol	1.05	0.0417	"	0.833		126	17-129				
3- & 4-Methylphenols	0.687	0.0417	"	0.833		82.5	29-103				
3,3-Dichlorobenzidine	0.892	0.0417	"	0.833		107	22-149				
3-Nitroaniline	0.609	0.0833	"	0.833		73.1	20-133				
4,6-Dinitro-2-methylphenol	0.678	0.0833	"	0.833		81.3	10-143				
4-Bromophenyl phenyl ether	0.612	0.0417	"	0.833		73.4	29-120				
4-Chloro-3-methylphenol	0.997	0.0417	"	0.833		120	24-129				
4-Chloroaniline	0.502	0.0417	"	0.833		60.3	10-132				
4-Chlorophenyl phenyl ether	0.945	0.0417	"	0.833		113	27-124				
4-Nitroaniline	0.805	0.0833	"	0.833		96.6	16-128				
4-Nitrophenol	1.01	0.0833	"	0.833		121	10-141				
Acenaphthene	0.745	0.0417	"	0.833		89.4	30-121				
Acenaphthylene	0.779	0.0417	"	0.833		93.5	30-115				
Acetophenone	0.729	0.0417	"	0.833		87.5	20-112				
Aniline	0.605	0.167	"	0.833		72.6	10-119				
Anthracene	0.823	0.0417	"	0.833		98.7	34-118				
Atrazine	0.616	0.0417	"	0.833		73.9	26-112				
Benzaldehyde	0.832	0.0417	"	0.833		99.8	21-100				
Benzo(a)anthracene	0.948	0.0417	"	0.833		114	32-122				
Benzo(a)pyrene	1.00	0.0417	"	0.833		120	29-133				
Benzo(b)fluoranthene	0.837	0.0417	"	0.833		100	25-133				
Benzo(g,h,i)perylene	0.879	0.0417	"	0.833		105	10-143				
Benzo(k)fluoranthene	0.853	0.0417	"	0.833		102	25-128				
Benzoic acid	0.472	0.0417	"	0.847		55.7	10-140				
Benzyl alcohol	0.812	0.0417	"	0.833		97.4	30-115				
Benzyl butyl phthalate	0.976	0.0417	"	0.833		117	26-126				
Bis(2-chloroethoxy)methane	0.842	0.0417	"	0.833		101	19-132				
Bis(2-chloroethyl)ether	0.757	0.0417	"	0.833		90.8	19-125				
Bis(2-chloroisopropyl)ether	0.691	0.0417	"	0.833		82.9	20-135				
Bis(2-ethylhexyl)phthalate	0.989	0.0417	"	0.833		119	10-155				
Caprolactam	0.892	0.0833	"	0.833		107	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

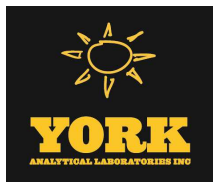
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80010 - EPA 3550C

LCS (BE80010-BS1)

Prepared & Analyzed: 05/01/2018

Carbazole	0.883	0.0417	mg/kg wet	0.833		106	35-123				
Chrysene	0.767	0.0417	"	0.833		92.0	32-123				
Dibenzo(a,h)anthracene	0.859	0.0417	"	0.833		103	10-136				
Dibenzofuran	0.909	0.0417	"	0.833		109	29-121				
Diethyl phthalate	0.940	0.0417	"	0.833		113	34-116				
Dimethyl phthalate	0.952	0.0417	"	0.833		114	35-124				
Di-n-butyl phthalate	0.943	0.0417	"	0.833		113	31-116				
Di-n-octyl phthalate	1.11	0.0417	"	0.833		133	26-136				
Fluoranthene	0.855	0.0417	"	0.833		103	33-122				
Fluorene	0.796	0.0417	"	0.833		95.5	29-123				
Hexachlorobenzene	0.564	0.0417	"	0.833		67.7	21-124				
Hexachlorobutadiene	1.06	0.0417	"	0.833		127	10-149				
Hexachlorocyclopentadiene	0.509	0.0417	"	0.833		61.1	10-129				
Hexachloroethane	0.783	0.0417	"	0.833		94.0	28-108				
Indeno(1,2,3-cd)pyrene	0.902	0.0417	"	0.833		108	10-135				
Isophorone	0.872	0.0417	"	0.833		105	20-132				
Naphthalene	0.801	0.0417	"	0.833		96.2	23-124				
Nitrobenzene	0.889	0.0417	"	0.833		107	13-132				
N-Nitrosodimethylamine	1.00	0.0417	"	0.833		120	11-129				
N-nitroso-di-n-propylamine	0.680	0.0417	"	0.833		81.6	24-119				
N-Nitrosodiphenylamine	0.623	0.0417	"	0.833		74.7	22-152				
Pentachlorophenol	0.553	0.0417	"	0.833		66.3	10-139				
Phenanthrene	0.784	0.0417	"	0.833		94.0	33-123				
Phenol	0.752	0.0417	"	0.833		90.3	23-115				
Pyrene	0.807	0.0417	"	0.833		96.8	32-130				
Pyridine	0.905	0.167	"	0.833		109	10-91	High Bias			
<i>Surrogate: 2-Fluorophenol</i>	<i>1.38</i>		<i>"</i>	<i>2.58</i>		<i>53.7</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>1.18</i>		<i>"</i>	<i>2.54</i>		<i>46.5</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.896</i>		<i>"</i>	<i>1.67</i>		<i>53.8</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.861</i>		<i>"</i>	<i>1.66</i>		<i>51.8</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.17</i>		<i>"</i>	<i>2.61</i>		<i>44.7</i>	<i>19-110</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>0.719</i>		<i>"</i>	<i>1.67</i>		<i>43.0</i>	<i>24-116</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD81441 - EPA 3550C

Blank (BD81441-BLK1)

Prepared: 04/30/2018 Analyzed: 05/01/2018

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

0.0747

"

0.0697

107

30-150

Surrogate: Tetrachloro-m-xylene

0.0656

"

0.0673

97.4

30-150

LCS (BD81441-BS1)

Prepared: 04/30/2018 Analyzed: 05/01/2018

4,4'-DDD	0.0448	0.000330	mg/kg wet	0.0333		134	40-140				
4,4'-DDE	0.0423	0.000330	"	0.0333		127	40-140				
4,4'-DDT	0.0453	0.000330	"	0.0333		136	40-140				
Aldrin	0.0387	0.000330	"	0.0333		116	40-140				
alpha-BHC	0.0437	0.000330	"	0.0333		131	40-140				
alpha-Chlordane	0.0354	0.000330	"	0.0333		106	40-140				
beta-BHC	0.0328	0.000330	"	0.0333		98.4	40-140				
delta-BHC	0.0385	0.000330	"	0.0333		116	40-140				
Dieldrin	0.0386	0.000330	"	0.0333		116	40-140				
Endosulfan I	0.0364	0.000330	"	0.0333		109	40-140				
Endosulfan II	0.0371	0.000330	"	0.0333		111	40-140				
Endosulfan sulfate	0.0394	0.000330	"	0.0333		118	40-140				
Endrin	0.0374	0.000330	"	0.0333		112	40-140				
Endrin aldehyde	0.0301	0.000330	"	0.0333		90.2	40-140				
Endrin ketone	0.0391	0.000330	"	0.0333		117	40-140				
gamma-BHC (Lindane)	0.0412	0.000330	"	0.0333		123	40-140				
gamma-Chlordane	0.0365	0.000330	"	0.0333		109	40-140				
Heptachlor	0.0384	0.000330	"	0.0333		115	40-140				
Heptachlor epoxide	0.0361	0.000330	"	0.0333		108	40-140				
Methoxychlor	0.0437	0.00165	"	0.0333		131	40-140				

Surrogate: Decachlorobiphenyl

0.0678

"

0.0697

97.3

30-150

Surrogate: Tetrachloro-m-xylene

0.0697

"

0.0673

103

30-150



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80012 - EPA SW846-3510C Low Level

Blank (BE80012-BLK1)

Prepared: 05/01/2018 Analyzed: 05/02/2018

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	"								

<i>Surrogate: Decachlorobiphenyl</i>	0.178		"	0.209	85.1	30-150					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.153		"	0.202	75.7	30-150					

LCS (BE80012-BS1)

Prepared: 05/01/2018 Analyzed: 05/02/2018

4,4'-DDD	0.133	0.00400	ug/L	0.100	133	40-140					
4,4'-DDE	0.133	0.00400	"	0.100	133	40-140					
4,4'-DDT	0.128	0.00400	"	0.100	128	40-140					
Aldrin	0.0913	0.00400	"	0.100	91.3	40-140					
alpha-BHC	0.109	0.00400	"	0.100	109	40-140					
alpha-Chlordane	0.0856	0.00400	"	0.100	85.6	40-140					
beta-BHC	0.0899	0.00400	"	0.100	89.9	40-140					
delta-BHC	0.0974	0.00400	"	0.100	97.4	40-140					
Dieldrin	0.0983	0.00200	"	0.100	98.3	40-140					
Endosulfan I	0.0836	0.00400	"	0.100	83.6	40-140					
Endosulfan II	0.0937	0.00400	"	0.100	93.7	40-140					
Endosulfan sulfate	0.0984	0.00400	"	0.100	98.4	40-140					
Endrin	0.104	0.00400	"	0.100	104	40-140					
Endrin aldehyde	0.0905	0.0100	"	0.100	90.5	40-140					
Endrin ketone	0.106	0.0100	"	0.100	106	40-140					
gamma-BHC (Lindane)	0.105	0.00400	"	0.100	105	40-140					
gamma-Chlordane	0.0839	0.0100	"	0.100	83.9	40-140					
Heptachlor	0.111	0.00400	"	0.100	111	40-140					
Heptachlor epoxide	0.0974	0.00400	"	0.100	97.4	40-140					
Methoxychlor	0.136	0.00400	"	0.100	136	40-140					

<i>Surrogate: Decachlorobiphenyl</i>	0.165		"	0.209	78.9	30-150					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.176		"	0.202	87.1	30-150					



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80012 - EPA SW846-3510C Low Level

LCS Dup (BE80012-BSD1)

Prepared: 05/01/2018 Analyzed: 05/02/2018

4,4'-DDD	0.129	0.00400	ug/L	0.100		129	40-140		3.33	20	
4,4'-DDE	0.129	0.00400	"	0.100		129	40-140		3.00	20	
4,4'-DDT	0.125	0.00400	"	0.100		125	40-140		1.74	20	
Aldrin	0.0893	0.00400	"	0.100		89.3	40-140		2.28	20	
alpha-BHC	0.110	0.00400	"	0.100		110	40-140		0.883	20	
alpha-Chlordane	0.0851	0.00400	"	0.100		85.1	40-140		0.505	20	
beta-BHC	0.0889	0.00400	"	0.100		88.9	40-140		1.11	20	
delta-BHC	0.0968	0.00400	"	0.100		96.8	40-140		0.641	20	
Dieldrin	0.0981	0.00200	"	0.100		98.1	40-140		0.176	20	
Endosulfan I	0.0830	0.00400	"	0.100		83.0	40-140		0.683	20	
Endosulfan II	0.0925	0.00400	"	0.100		92.5	40-140		1.27	20	
Endosulfan sulfate	0.105	0.00400	"	0.100		105	40-140		6.08	20	
Endrin	0.101	0.00400	"	0.100		101	40-140		2.52	20	
Endrin aldehyde	0.0856	0.0100	"	0.100		85.6	40-140		5.64	20	
Endrin ketone	0.109	0.0100	"	0.100		109	40-140		2.39	20	
gamma-BHC (Lindane)	0.106	0.00400	"	0.100		106	40-140		1.41	20	
gamma-Chlordane	0.0835	0.0100	"	0.100		83.5	40-140		0.447	20	
Heptachlor	0.110	0.00400	"	0.100		110	40-140		0.212	20	
Heptachlor epoxide	0.0977	0.00400	"	0.100		97.7	40-140		0.284	20	
Methoxychlor	0.134	0.00400	"	0.100		134	40-140		1.89	20	
Surrogate: Decachlorobiphenyl	0.169		"	0.209		81.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.170		"	0.202		84.0	30-150				

Batch Y8D1001 - BC80734

Performance Mix (Y8D1001-PEM1)

Prepared & Analyzed: 04/09/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDD	0.00		"	0.00			0-200				
4,4'-DDE	0.848		"	0.00			0-200				
4,4'-DDE	0.848		"	0.00			0-200				
4,4'-DDT	166		"	200		83.0	0-200				
4,4'-DDT	166		"	200		83.0	0-200				
Endrin	92.8		"	100		92.8	0-200				
Endrin	92.8		"	100		92.8	0-200				
Endrin aldehyde	0.601		"	0.00			0-200				
Endrin aldehyde	0.601		"	0.00			0-200				
Endrin ketone	3.39		"	0.00			0-200				
Endrin ketone	3.39		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8E0201 - BD81395

Performance Mix (Y8E0201-PEM1)

Prepared & Analyzed: 05/01/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDD	0.00		"	0.00				0-200					
4,4'-DDE	0.849		"	0.00				0-200					
4,4'-DDE	0.849		"	0.00				0-200					
4,4'-DDT	188		"	200		94.0		0-200					
4,4'-DDT	188		"	200		94.0		0-200					
Endrin	102		"	100		102		0-200					
Endrin	102		"	100		102		0-200					
Endrin aldehyde	0.652		"	0.00				0-200					
Endrin aldehyde	0.652		"	0.00				0-200					
Endrin ketone	3.34		"	0.00				0-200					
Endrin ketone	3.34		"	0.00				0-200					

Performance Mix (Y8E0201-PEM2)

Prepared & Analyzed: 05/01/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDD	0.00		"	0.00				0-200					
4,4'-DDE	0.848		"	0.00				0-200					
4,4'-DDE	0.848		"	0.00				0-200					
4,4'-DDT	187		"	200		93.7		0-200					
4,4'-DDT	187		"	200		93.7		0-200					
Endrin	105		"	100		105		0-200					
Endrin	105		"	100		105		0-200					
Endrin aldehyde	1.49		"	0.00				0-200					
Endrin aldehyde	1.49		"	0.00				0-200					
Endrin ketone	3.89		"	0.00				0-200					
Endrin ketone	3.89		"	0.00				0-200					



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8E0301 - BD81441

Performance Mix (Y8E0301-PEM1)

Prepared & Analyzed: 05/02/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDD	0.00		"	0.00				0-200					
4,4'-DDE	1.61		"	0.00				0-200					
4,4'-DDE	1.61		"	0.00				0-200					
4,4'-DDT	194		"	200		97.0		0-200					
4,4'-DDT	194		"	200		97.0		0-200					
Endrin	97.4		"	100		97.4		0-200					
Endrin	97.4		"	100		97.4		0-200					
Endrin aldehyde	1.05		"	0.00				0-200					
Endrin aldehyde	1.05		"	0.00				0-200					
Endrin ketone	1.29		"	0.00				0-200					
Endrin ketone	1.29		"	0.00				0-200					

Performance Mix (Y8E0301-PEM2)

Prepared & Analyzed: 05/02/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDD	0.00		"	0.00				0-200					
4,4'-DDE	0.995		"	0.00				0-200					
4,4'-DDE	0.995		"	0.00				0-200					
4,4'-DDT	176		"	200		88.0		0-200					
4,4'-DDT	176		"	200		88.0		0-200					
Endrin	101		"	100		101		0-200					
Endrin	101		"	100		101		0-200					
Endrin aldehyde	0.859		"	0.00				0-200					
Endrin aldehyde	0.859		"	0.00				0-200					
Endrin ketone	3.69		"	0.00				0-200					
Endrin ketone	3.69		"	0.00				0-200					



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD81441 - EPA 3550C

Blank (BD81441-BLK2)

Prepared: 04/30/2018 Analyzed: 05/01/2018

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	"										

<i>Surrogate: Tetrachloro-m-xylene</i>	0.0757		"	0.0673		112	30-120						
<i>Surrogate: Decachlorobiphenyl</i>	0.0633		"	0.0697		90.9	30-120						

LCS (BD81441-BS2)

Prepared: 04/30/2018 Analyzed: 05/01/2018

Aroclor 1016	0.414	0.0167	mg/kg wet	0.333		124	40-130						
Aroclor 1260	0.388	0.0167	"	0.333		116	40-120						
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0713		"	0.0673		106	30-120						
<i>Surrogate: Decachlorobiphenyl</i>	0.0637		"	0.0697		91.4	30-120						

Batch BE80012 - EPA SW846-3510C Low Level

Blank (BE80012-BLK2)

Prepared & Analyzed: 05/01/2018

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	"										

<i>Surrogate: Tetrachloro-m-xylene</i>	0.203		"	0.202		100	30-150						
<i>Surrogate: Decachlorobiphenyl</i>	0.191		"	0.209		91.4	30-150						



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80012 - EPA SW846-3510C Low Level

LCS Dup (BE80012-BSD2)

Prepared & Analyzed: 05/01/2018

Aroclor 1016	1.50	0.0500	ug/L	1.00		150	40-120	High Bias	200	20	Non-dir.
Aroclor 1260	1.36	0.0500	"	1.00		136	40-120	High Bias	200	20	Non-dir.
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.212</i>		"	<i>0.202</i>		<i>105</i>	<i>30-150</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.141</i>		"	<i>0.209</i>		<i>67.5</i>	<i>30-150</i>				



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

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

Batch BD81332 - EPA 3050B

Blank (BD81332-BLK1)

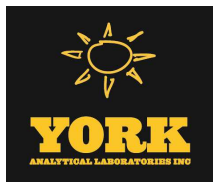
Prepared & Analyzed: 04/27/2018

Aluminum	ND	5.00	mg/kg wet								
Antimony	0.978	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 (BD81332-SRM1)

Prepared & Analyzed: 04/27/2018

Aluminum	7540	5.00	mg/kg wet	8040	93.8	39.4-160.5
Antimony	108	0.500	"	91.4	118	25.1-275.7
Arsenic	154	1.00	"	146	106	69.9-132.9
Barium	103	1.00	"	102	101	71.5-136.3
Beryllium	144	0.100	"	134	108	75.4-138.1
Cadmium	67.2	0.300	"	63.2	106	73.3-141.5
Calcium	6280	5.00	"	5930	106	73.7-136.1
Chromium	94.8	0.500	"	89.3	106	69.1-143.3
Cobalt	132	0.500	"	119	111	74.6-142
Copper	67.9	0.500	"	60.8	112	72.7-141.6
Iron	13400	2.00	"	14400	92.9	35.6-163.9
Lead	106	0.500	"	98.5	107	70.8-137.1
Magnesium	2640	5.00	"	2580	102	63.6-136.1
Manganese	396	0.500	"	370	107	75.7-134.3
Nickel	79.1	0.500	"	66.6	119	70.7-146.3
Potassium	2390	5.00	"	2340	102	59.8-140.2
Selenium	125	1.00	"	136	91.9	67.1-136.8
Silver	50.7	0.500	"	48.9	104	66.5-139.5
Sodium	339	10.0	"	318	107	40.6-159.8
Thallium	153	1.00	"	138	111	68-136.2
Vanadium	70.8	1.00	"	69.7	102	58.9-141.8
Zinc	191	1.50	"	177	108	69.5-131.1



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

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

Batch BD81357 - EPA 3015A

Blank (BD81357-BLK1)

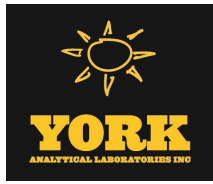
Prepared & Analyzed: 04/27/2018

Aluminum	ND	0.0500	mg/L								
Barium	ND	0.0100	"								
Calcium	ND	0.0500	"								
Chromium	ND	0.00500	"								
Copper	ND	0.00500	"								
Iron	ND	0.0400	"								
Lead	ND	0.00500	"								
Magnesium	ND	0.0500	"								
Manganese	ND	0.00500	"								
Nickel	ND	0.00500	"								
Potassium	ND	0.0700	"								
Silver	ND	0.00500	"								
Sodium	ND	0.100	"								
Vanadium	ND	0.0100	"								
Zinc	ND	0.0150	"								

LCS (BD81357-BS1)

Prepared & Analyzed: 04/27/2018

Aluminum	2.06		ug/mL	2.00		103	80-120				
Barium	2.02		"	2.00		101	80-120				
Calcium	0.890		"	1.00		89.0	80-120				
Chromium	0.201		"	0.200		100	80-120				
Copper	0.255		"	0.250		102	80-120				
Iron	1.03		"	1.00		103	80-120				
Lead	0.469		"	0.500		93.8	80-120				
Magnesium	1.04		"	1.00		104	80-120				
Manganese	0.509		"	0.500		102	80-120				
Nickel	0.498		"	0.500		99.5	80-120				
Potassium	0.983		"	1.00		98.3	80-120				
Silver	0.0515		"	0.0500		103	80-120				
Sodium	0.955		"	1.00		95.5	80-120				
Vanadium	0.490		"	0.500		97.9	80-120				
Zinc	0.464		"	0.500		92.8	80-120				



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

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

Batch BD81356 - EPA 3015A

Blank (BD81356-BLK1)

Prepared: 04/27/2018 Analyzed: 04/30/2018

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 (BD81356-BS1)

Prepared: 04/27/2018 Analyzed: 04/30/2018

Antimony	43.9		ug/L	50.0		87.8	80-120				
Arsenic	47.3		"	50.0		94.6	80-120				
Beryllium	48.6		"	50.0		97.1	80-120				
Cadmium	49.7		"	50.0		99.4	80-120				
Selenium	45.1		"	50.0		90.3	80-120				
Thallium	49.9		"	50.0		99.7	80-120				



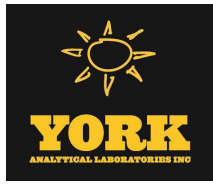
Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD81335 - EPA 7473 soil											
Blank (BD81335-BLK1)										Prepared & Analyzed: 04/27/2018	
Mercury	ND	0.0300	mg/kg wet								
Reference (BD81335-SRM1)										Prepared & Analyzed: 04/27/2018	
Mercury	10.482		mg/kg	13.8		76.0	57.1-143.5				
Batch BD81416 - EPA 7473 water											
Blank (BD81416-BLK1)										Prepared & Analyzed: 04/30/2018	
Mercury	ND	0.00020	mg/L								
Duplicate (BD81416-DUP1)										Prepared & Analyzed: 04/30/2018	
	*Source sample: 18D1111-01 (FB-3)										
Mercury	ND	0.00020	mg/L		ND						20
Matrix Spike (BD81416-MS1)										Prepared & Analyzed: 04/30/2018	
	*Source sample: 18D1111-01 (FB-3)										
Mercury	0.00891		mg/L	0.0100	0.00013	87.9	75-125				
Reference (BD81416-SRM1)										Prepared & Analyzed: 04/30/2018	
Mercury	0.00909		mg/L	0.0100		90.9	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	RPD Limit	Flag
Batch BD81309 - Analysis Preparation											
Blank (BD81309-BLK1)										Prepared & Analyzed: 04/26/2018	
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BD81309-BS1)										Prepared & Analyzed: 04/26/2018	
Chromium, Hexavalent	0.487	0.0100	mg/L	0.500		97.4	80-120				
Duplicate (BD81309-DUP1) *Source sample: 18D1111-01 (FB-3)										Prepared & Analyzed: 04/26/2018	
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
Matrix Spike (BD81309-MS1) *Source sample: 18D1111-01 (FB-3)										Prepared & Analyzed: 04/26/2018	
Chromium, Hexavalent	0.497	0.0100	mg/L	0.500	ND	99.4	75-125				
Batch BD81323 - EPA SW846-3060											
Blank (BD81323-BLK1)										Prepared & Analyzed: 04/27/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BD81323-SRM1)										Prepared & Analyzed: 04/27/2018	
Chromium, Hexavalent	75.0		mg/L	76.9		97.5	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18D1111-01	FB-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18D1111-02	LSB-16 (1.5-3.5)	40mL Vial with Stir Bar-Cool 4° C
18D1111-03	LSB-16 (3.5-5.5)	40mL Vial with Stir Bar-Cool 4° C
18D1111-04	TB-3	40mL Clear Vial (pre-pres.) HCl; Cool to 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%).
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.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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



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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



YORK ANALYTICAL LABORATORIES
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Field Chain-of-Custody Record

Page 1 of 1
York Project No. 18D1111

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

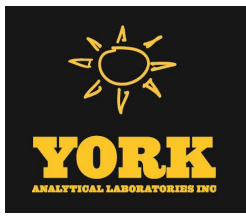
YOUR INFORMATION Company: <u>LANGAN</u> Address: <u>300 Kimball Dr</u> <u>Parsippany NJ</u> Phone No. <u>973 5604900</u> Contact Person: <u>A Forsburg</u> E-Mail Address: <u>aforsburg@langan.com</u>		Report To: Company: _____ Address: _____ Phone No. <u>SAME</u> Attention: _____ E-Mail Address: _____		Invoice To: Company: _____ Address: _____ Phone No. <u>SAME</u> Attention: _____ E-Mail Address: _____		YOUR PROJECT ID <u>COVENANT HOUSE</u> Purchase Order No. <u>100674401</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard(5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report _____ Summary w/ QA Summary _____ CT RCP Package _____ CTRCP DQA/DUE Pkg _____ NY ASP A Package _____ NY ASP B Package _____ NUDEP Red. Deliv. _____ <u>Electronic Data Deliverables (EDD)</u> Simple Excel <input checked="" type="checkbox"/> NYSECEQQuIS _____ EQuIS (std) _____ EZ-EDD (EQuIS) _____ NUDEP SRP HazSite EDD _____ GIS/KEY (std) _____ Other _____ York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in): <u>Part 375</u>	
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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.

AKritzer
 Samples Collected/Authorized By (Signature)
Alyson Kritzer
 Name (printed)

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
FB-3	4/26/18 0830	AQ	VOCS, SVOCs, TAL METALS, XCR, PCBs, PESTICIDES	3 Amber, 2 Plastic, 3 VOA
LSB-14 (1.5-3.5)	4/26/18 0950	S		↓
LSB-14 (3.5-5.5)	4/26/18 1010	S		↓
IB-3	4/26/18	AQ	VOCS	2 VOA
LSB-15 (1-3)	4/26/18 1345	S	PCBs, Pesticides, XCR	8 OZ
<u>AKritzer</u>				

Comments
 Preservation _____
 Check those Applicable
 4°C _____ Frozen _____ HCl _____ MeOH _____ HNO₃ _____ NaOH _____
 ZnAc _____ Ascorbic Acid _____ Other _____
 Special Instructions
 Field Filtered
 Lab to Filter
 Samples Relinquished By AKritzer Date/Time 4/26/18 1515
 Samples Received By AKritzer Date/Time 4/26/18 1915
 Samples Relinquished By _____ Date/Time _____
 Samples Received in LAB by _____ Date/Time _____
 Temperature on Receipt 5.3 °C



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

Report Date: 05/08/2018
Client Project ID: 100674401
York Project (SDG) No.: 18E0064

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

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 01, 2018 and listed below. The project was identified as your project: **100674401**.

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>
18E0064-01	LSB-14 (16-18)	Soil	05/01/2018	05/01/2018
18E0064-02	LSB-14 (0-2)	Soil	05/01/2018	05/01/2018
18E0064-03	LSB-12 (13-15)	Soil	04/30/2018	05/01/2018
18E0064-04	DUP-3	Soil	05/01/2018	05/01/2018
18E0064-05	LSB-12 (0-2)	Soil	04/30/2018	05/01/2018
18E0064-06	LSB-13 (0-2)	Soil	05/01/2018	05/01/2018
18E0064-07	LSB-13 (15-17)	Soil	05/01/2018	05/01/2018
18E0064-08	LSB-18 (1.5-3.5)	Soil	05/01/2018	05/01/2018
18E0064-09	LSB-18 (5.5-7.5)	Soil	05/01/2018	05/01/2018
18E0064-10	Trip Blank-5	Water	05/01/2018	05/01/2018

General Notes for York Project (SDG) No.: 18E0064

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: 05/08/2018





Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 14:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS



Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 14:12	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
67-64-1	Acetone	0.049	SCAL-E	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS



Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
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	05/04/2018 07:30	05/04/2018 14:12	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	SS



Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:12	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	05/04/2018 07:30	05/04/2018 14:12	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 14:12	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %			77-125						
2037-26-5	Surrogate: Toluene-d8	92.7 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	98.8 %			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	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR



Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR



Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
208-96-8	Acenaphthylene	0.0619	J	mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
62-53-3	Aniline	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
120-12-7	Anthracene	0.107		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
100-52-7	Benzaldehyde	0.200		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
56-55-3	Benzo(a)anthracene	0.368		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
50-32-8	Benzo(a)pyrene	0.362		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
205-99-2	Benzo(b)fluoranthene	0.303		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
191-24-2	Benzo(g,h,i)perylene	0.233		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
207-08-9	Benzo(k)fluoranthene	0.303		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
100-51-6	Benzyl alcohol	0.478		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0476	J	mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0889	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR



Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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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	0.0448	J	mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
218-01-9	Chrysene	0.360		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
53-70-3	Dibenzo(a,h)anthracene	0.0775	J	mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
206-44-0	Fluoranthene	0.766		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.187		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR



Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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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
85-01-8	Phenanthrene	0.493		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
108-95-2	Phenol	ND		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
129-00-0	Pyrene	0.683		mg/kg dry	0.0446	0.0889	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 16:41	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	23.5 %		20-108							
4165-62-2	Surrogate: Phenol-d5	55.2 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	65.6 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	53.3 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	%	S-09	19-110							
1718-51-0	Surrogate: Terphenyl-d14	50.5 %		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	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
50-29-3	4,4'-DDT	0.00697		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 16:12	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0352	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA



Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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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
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/02/2018 13:48	05/03/2018 16:12	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 16:12	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00880	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0890	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:12	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	64.3 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	49.5 %	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	05/02/2018 13:48	05/03/2018 17:13	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:13	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:13	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:13	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:13	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:13	LAB



Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:13	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/02/2018 13:48	05/03/2018 17:13	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	47.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	46.9 %		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	8180		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-36-0	Antimony	ND		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-38-2	Arsenic	2.36		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-39-3	Barium	186		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-43-9	Cadmium	0.488		mg/kg dry	0.320	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-70-2	Calcium	28300		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-47-3	Chromium	12.2		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-48-4	Cobalt	8.42		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-50-8	Copper	44.4		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7439-89-6	Iron	21100	B	mg/kg dry	2.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7439-92-1	Lead	244		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7439-95-4	Magnesium	3560		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7439-96-5	Manganese	254		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-02-0	Nickel	13.0		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML



Sample Information

Client Sample ID: LSB-14 (16-18)

York Sample ID: 18E0064-01

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:30 am	<u>Date Received</u> 05/01/2018
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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
7440-09-7	Potassium	1500		mg/kg dry	5.33	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-22-4	Silver	ND		mg/kg dry	0.533	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-23-5	Sodium	1040	B	mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-62-2	Vanadium	28.7		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	KML
7440-66-6	Zinc	160		mg/kg dry	1.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:25	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	0.428		mg/kg dry	0.0320	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/02/2018 09:43	05/02/2018 12:34	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	93.8		%	0.100	1	SM 2540G Certifications: CTDOH	05/07/2018 10:38	05/07/2018 13:39	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	0.533	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/02/2018 08:53	05/02/2018 18:38	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	12.2		mg/kg	0.500	1	Calculation Certifications:	05/08/2018 12:34	05/08/2018 14:52	PAM



Sample Information

Client Sample ID: **LSB-14 (16-18)**

York Sample ID: **18E0064-01**

York Project (SDG) No.
18E0064

Client Project ID
100674401

Matrix
Soil

Collection Date/Time
May 1, 2018 3:30 am

Date Received
05/01/2018



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:35 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 14:44	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 14:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 3:35 am

05/01/2018

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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 14:44	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
67-64-1	Acetone	0.012	SCAL-E	mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 3:35 am

05/01/2018

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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	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	05/04/2018 07:30	05/04/2018 14:44	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 3:35 am

05/01/2018

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 14:44	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 14:44	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: Toluene-d8	95.2 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	99.1 %			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	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	SR



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 3:35 am

05/01/2018

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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:35 am	<u>Date Received</u> 05/01/2018
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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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
208-96-8	Acenaphthylene	0.0653	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
62-53-3	Aniline	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
120-12-7	Anthracene	0.101		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
100-52-7	Benzaldehyde	0.229		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
56-55-3	Benzo(a)anthracene	0.337		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
50-32-8	Benzo(a)pyrene	0.332		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
205-99-2	Benzo(b)fluoranthene	0.290		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
191-24-2	Benzo(g,h,i)perylene	0.200		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
207-08-9	Benzo(k)fluoranthene	0.282		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
100-51-6	Benzyl alcohol	0.887		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0561	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 3:35 am

05/01/2018

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	0.0646	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
218-01-9	Chrysene	0.343		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
53-70-3	Dibenzo(a,h)anthracene	0.0667	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	SR
206-44-0	Fluoranthene	0.772		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
86-73-7	Fluorene	0.0454	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.160		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
91-20-3	Naphthalene	0.0497	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	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	05/03/2018 13:49	05/04/2018 17:12	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 3:35 am

05/01/2018

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
85-01-8	Phenanthrene	0.552		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
108-95-2	Phenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
129-00-0	Pyrene	0.633		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:12	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	15.5 %	S-09	20-108							
4165-62-2	Surrogate: Phenol-d5	46.8 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	58.6 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	48.1 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	%	S-09	19-110							
1718-51-0	Surrogate: Terphenyl-d14	43.4 %		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	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
72-55-9	4,4'-DDE	0.00398		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
50-29-3	4,4'-DDT	0.0100		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 16:27	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0351	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:35 am	<u>Date Received</u> 05/01/2018
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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
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/02/2018 13:48	05/03/2018 16:27	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 16:27	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00878	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0889	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:27	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	66.9 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	55.9 %	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	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:37	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:37	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:37	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:37	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:37	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:37	LAB



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:35 am	<u>Date Received</u> 05/01/2018
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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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:37	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/02/2018 13:48	05/03/2018 17:37	LAB
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	53.5 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	48.8 %					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	9610		mg/kg dry	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-36-0	Antimony	ND		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-38-2	Arsenic	10.8		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-39-3	Barium	191		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-43-9	Cadmium	0.464		mg/kg dry	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-70-2	Calcium	33400		mg/kg dry	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-47-3	Chromium	18.7		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-48-4	Cobalt	13.7		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-50-8	Copper	44.9		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7439-89-6	Iron	37900	B	mg/kg dry	2.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7439-92-1	Lead	204		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7439-95-4	Magnesium	5180		mg/kg dry	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7439-96-5	Manganese	356		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-02-0	Nickel	25.6		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 3:35 am	<u>Date Received</u> 05/01/2018
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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
7440-09-7	Potassium	2690		mg/kg dry	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-22-4	Silver	ND		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-23-5	Sodium	992	B	mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-62-2	Vanadium	38.4		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	KML
7440-66-6	Zinc	255		mg/kg dry	1.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:31	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	0.301		mg/kg dry	0.0319	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/02/2018 09:43	05/02/2018 12:43	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	93.9		%	0.100	1	SM 2540G Certifications: CTDOH	05/07/2018 10:38	05/07/2018 13:39	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	0.532	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/02/2018 08:53	05/02/2018 18:38	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	18.7		mg/kg	0.500	1	Calculation Certifications:	05/08/2018 12:34	05/08/2018 14:52	PAM



Sample Information

Client Sample ID: LSB-14 (0-2)

York Sample ID: 18E0064-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 3:35 am

05/01/2018



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:25 pm	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 15:16	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 15:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:25 pm	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 15:16	SS
78-93-3	2-Butanone	0.0080		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
67-64-1	Acetone	0.032	SCAL-E	mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:25 pm	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

April 30, 2018 11:25 pm

05/01/2018

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:16	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 15:16	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	95.3 %			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	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:25 pm	<u>Date Received</u> 05/01/2018
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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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
91-57-6	2-Methylnaphthalene	0.0809	J	mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:25 pm	<u>Date Received</u> 05/01/2018
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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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
208-96-8	Acenaphthylene	0.299		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
62-53-3	Aniline	ND		mg/kg dry	0.203	0.405	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
120-12-7	Anthracene	0.190		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
92-87-5	Benzidine	ND		mg/kg dry	0.203	0.405	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
56-55-3	Benzo(a)anthracene	0.683		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
50-32-8	Benzo(a)pyrene	0.737		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
205-99-2	Benzo(b)fluoranthene	0.579		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
191-24-2	Benzo(g,h,i)perylene	0.395		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
207-08-9	Benzo(k)fluoranthene	0.687		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:25 pm	<u>Date Received</u> 05/01/2018
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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	0.129		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
218-01-9	Chrysene	0.783		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
53-70-3	Dibenzo(a,h)anthracene	0.115		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
132-64-9	Dibenzofuran	0.182		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
206-44-0	Fluoranthene	1.87		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
86-73-7	Fluorene	0.0574	J	mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.374		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
91-20-3	Naphthalene	0.110		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

April 30, 2018 11:25 pm

05/01/2018

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
85-01-8	Phenanthrene	1.83		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
108-95-2	Phenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
129-00-0	Pyrene	1.38		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
110-86-1	Pyridine	ND		mg/kg dry	0.203	0.405	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 17:42	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	66.2 %			20-108						
4165-62-2	Surrogate: Phenol-d5	66.8 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	69.5 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	49.8 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	78.1 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	43.3 %			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	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 16:42	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0399	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:25 pm	<u>Date Received</u> 05/01/2018
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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
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/02/2018 13:48	05/03/2018 16:42	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
72-20-8	Endrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 16:42	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00997	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.101	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:42	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	87.9 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	90.5 %	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	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:01	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:01	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:01	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:01	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:01	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:01	LAB



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:25 pm	<u>Date Received</u> 05/01/2018
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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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:01	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications:	05/02/2018 13:48	05/03/2018 18:01	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	79.7 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	70.3 %		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	11800		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-36-0	Antimony	ND		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-38-2	Arsenic	2.49		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-39-3	Barium	68.7		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-41-7	Beryllium	0.323		mg/kg dry	0.121	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.364	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-70-2	Calcium	3970		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-47-3	Chromium	15.0		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-48-4	Cobalt	7.45		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-50-8	Copper	15.7		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7439-89-6	Iron	16600	B	mg/kg dry	2.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7439-92-1	Lead	39.3		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7439-95-4	Magnesium	3170		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7439-96-5	Manganese	172		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-02-0	Nickel	15.0		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:25 pm	<u>Date Received</u> 05/01/2018
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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
7440-09-7	Potassium	1230		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7782-49-2	Selenium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-22-4	Silver	ND		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-23-5	Sodium	341	B	mg/kg dry	12.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-28-0	Thallium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-62-2	Vanadium	20.0		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	KML
7440-66-6	Zinc	42.4		mg/kg dry	1.82	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:33	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	0.120		mg/kg dry	0.0364	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/02/2018 09:43	05/02/2018 12:52	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	82.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/07/2018 10:38	05/07/2018 13:39	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	0.607	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/02/2018 08:53	05/02/2018 18:38	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	15.0		mg/kg	0.500	1	Calculation Certifications:	05/08/2018 12:34	05/08/2018 14:52	PAM



Sample Information

Client Sample ID: LSB-12 (13-15)

York Sample ID: 18E0064-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0064	100674401	Soil	April 30, 2018 11:25 pm	05/01/2018



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 2:50 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 15:48	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 15:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 2:50 am

05/01/2018

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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 15:48	SS
78-93-3	2-Butanone	0.0066		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
67-64-1	Acetone	0.030	SCAL-E	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 2:50 am

05/01/2018

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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

York Project (SDG) No.

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Soil

May 1, 2018 2:50 am

05/01/2018

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 15:48	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 15:48	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			77-125						
2037-26-5	Surrogate: Toluene-d8	95.7 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	100 %			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	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

York Project (SDG) No.

Client Project ID

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18E0064

100674401

Soil

May 1, 2018 2:50 am

05/01/2018

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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 2:50 am	<u>Date Received</u> 05/01/2018
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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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
208-96-8	Acenaphthylene	0.0531	J	mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
62-53-3	Aniline	ND		mg/kg dry	0.198	0.397	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.397	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
56-55-3	Benzo(a)anthracene	0.107		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
50-32-8	Benzo(a)pyrene	0.125		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
205-99-2	Benzo(b)fluoranthene	0.105		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
191-24-2	Benzo(g,h,i)perylene	0.0784	J	mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
207-08-9	Benzo(k)fluoranthene	0.113		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0991	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 2:50 am	<u>Date Received</u> 05/01/2018
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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	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
218-01-9	Chrysen	0.124		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
206-44-0	Fluoranthene	0.235		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0737	J	mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 2:50 am

05/01/2018

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
85-01-8	Phenanthrene	0.191		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
108-95-2	Phenol	ND		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
129-00-0	Pyrene	0.194		mg/kg dry	0.0497	0.0991	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.397	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:13	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	61.6 %			20-108						
4165-62-2	Surrogate: Phenol-d5	62.9 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	65.9 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	49.1 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.7 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	42.9 %			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	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 16:57	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0392	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 2:50 am	<u>Date Received</u> 05/01/2018
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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
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/02/2018 13:48	05/03/2018 16:57	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
72-20-8	Endrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 16:57	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00981	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0992	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 16:57	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	73.9 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	85.8 %	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	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:25	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:25	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:25	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:25	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:25	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:25	LAB



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 2:50 am	<u>Date Received</u> 05/01/2018
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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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:25	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications:	05/02/2018 13:48	05/03/2018 18:25	LAB
	Surrogate Recoveries	Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	83.2 %		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	10900		mg/kg dry	5.94	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-36-0	Antimony	ND		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-38-2	Arsenic	1.53		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-39-3	Barium	54.8		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-41-7	Beryllium	0.353		mg/kg dry	0.119	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.357	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-70-2	Calcium	4410		mg/kg dry	5.94	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-47-3	Chromium	13.4		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-48-4	Cobalt	6.39		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-50-8	Copper	16.5		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7439-89-6	Iron	16000	B	mg/kg dry	2.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7439-92-1	Lead	79.7		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7439-95-4	Magnesium	3090		mg/kg dry	5.94	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7439-96-5	Manganese	326		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-02-0	Nickel	14.7		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML



Sample Information

Client Sample ID: DUP-3

York Sample ID: 18E0064-04

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 2:50 am	<u>Date Received</u> 05/01/2018
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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
7440-09-7	Potassium	1410		mg/kg dry	5.94	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7782-49-2	Selenium	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-22-4	Silver	ND		mg/kg dry	0.594	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-23-5	Sodium	322	B	mg/kg dry	11.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-28-0	Thallium	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-62-2	Vanadium	17.8		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	KML
7440-66-6	Zinc	35.0		mg/kg dry	1.78	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:35	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	0.167		mg/kg dry	0.0357	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/02/2018 09:43	05/02/2018 13:01	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	84.1		%	0.100	1	SM 2540G Certifications: CTDOH	05/07/2018 10:38	05/07/2018 13:39	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	0.594	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/02/2018 08:53	05/02/2018 18:38	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	13.4		mg/kg	0.500	1	Calculation Certifications:	05/08/2018 12:34	05/08/2018 14:52	PAM



Sample Information

Client Sample ID: **DUP-3**

York Sample ID: **18E0064-04**

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0064	100674401	Soil	May 1, 2018 2:50 am	05/01/2018



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

April 30, 2018 11:17 pm

05/01/2018

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	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 16:19	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 16:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0064, 100674401, Soil, April 30, 2018 11:17 pm, 05/01/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Main data table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for various compounds like 1,4-Dioxane, 2,2-Dichloropropane, Acetone (0.019), etc.



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Main data table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

April 30, 2018 11:17 pm

05/01/2018

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:19	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 16:19	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			77-125						
2037-26-5	Surrogate: Toluene-d8	94.1 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	102 %			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	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

April 30, 2018 11:17 pm

05/01/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chemical compounds like 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, etc.



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:17 pm	<u>Date Received</u> 05/01/2018
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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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
208-96-8	Acenaphthylene	0.187		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
62-53-3	Aniline	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
120-12-7	Anthracene	0.289		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
56-55-3	Benzo(a)anthracene	1.63		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
50-32-8	Benzo(a)pyrene	1.42		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
205-99-2	Benzo(b)fluoranthene	1.14		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
191-24-2	Benzo(g,h,i)perylene	0.853		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
207-08-9	Benzo(k)fluoranthene	1.19		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
100-51-6	Benzyl alcohol	0.163		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0616	J	mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

April 30, 2018 11:17 pm

05/01/2018

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	0.0637	J	mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
218-01-9	Chrysene	1.54		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
53-70-3	Dibenzo(a,h)anthracene	0.299		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
206-44-0	Fluoranthene	3.66		mg/kg dry	0.113	0.225	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/07/2018 12:13	SR
86-73-7	Fluorene	0.0508	J	mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.762		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
91-20-3	Naphthalene	0.0616	J	mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

April 30, 2018 11:17 pm

05/01/2018

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
85-01-8	Phenanthrene	0.926		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
108-95-2	Phenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
129-00-0	Pyrene	3.37		mg/kg dry	0.113	0.225	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/07/2018 12:13	SR
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 18:44	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	30.9 %		20-108							
4165-62-2	Surrogate: Phenol-d5	53.6 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	60.4 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	48.8 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	4.85 %	S-09	19-110							
1718-51-0	Surrogate: Terphenyl-d14	46.4 %		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	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 17:12	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0356	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:17 pm	<u>Date Received</u> 05/01/2018
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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
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/02/2018 13:48	05/03/2018 17:12	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 17:12	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00889	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0900	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:12	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	79.2 %
877-09-8	Surrogate: Tetrachloro-m-xylene	75.0 %

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	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:49	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:49	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:49	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:49	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:49	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:49	LAB



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:17 pm	<u>Date Received</u> 05/01/2018
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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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:49	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	05/02/2018 13:48	05/03/2018 18:49	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	66.3 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	58.4 %		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	11200		mg/kg dry	5.39	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-36-0	Antimony	ND		mg/kg dry	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-38-2	Arsenic	3.01		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-39-3	Barium	164		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-41-7	Beryllium	0.234		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-43-9	Cadmium	0.447		mg/kg dry	0.323	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-70-2	Calcium	26200		mg/kg dry	5.39	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-47-3	Chromium	19.3		mg/kg dry	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-48-4	Cobalt	9.33		mg/kg dry	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-50-8	Copper	42.2		mg/kg dry	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7439-89-6	Iron	18700	B	mg/kg dry	2.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7439-92-1	Lead	158		mg/kg dry	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7439-95-4	Magnesium	4030		mg/kg dry	5.39	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7439-96-5	Manganese	367		mg/kg dry	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-02-0	Nickel	16.8		mg/kg dry	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> April 30, 2018 11:17 pm	<u>Date Received</u> 05/01/2018
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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
7440-09-7	Potassium	2590		mg/kg dry	5.39	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-22-4	Silver	ND		mg/kg dry	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-23-5	Sodium	530	B	mg/kg dry	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-62-2	Vanadium	27.3		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	KML
7440-66-6	Zinc	135		mg/kg dry	1.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:37	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	0.435		mg/kg dry	0.0323	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/02/2018 09:43	05/02/2018 13:10	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	92.8		%	0.100	1	SM 2540G Certifications: CTDOH	05/07/2018 10:38	05/07/2018 13:39	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	0.539	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/02/2018 08:53	05/02/2018 18:38	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	19.3		mg/kg	0.500	1	Calculation Certifications:	05/08/2018 12:34	05/08/2018 14:52	PAM



Sample Information

Client Sample ID: LSB-12 (0-2)

York Sample ID: 18E0064-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

April 30, 2018 11:17 pm

05/01/2018



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 16:51	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 16:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.081	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 16:51	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
108-10-1	4-Methyl-2-pentanone	0.0024	J	mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
67-64-1	Acetone	0.012	SCAL-E	mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0081	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 1:20 am

05/01/2018

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 16:51	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 16:51	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: Toluene-d8	96.1 %			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	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
208-96-8	Acenaphthylene	0.0504	J	mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
62-53-3	Aniline	ND		mg/kg dry	0.180	0.361	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
120-12-7	Anthracene	0.0879	J	mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
56-55-3	Benzo(a)anthracene	0.440		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
50-32-8	Benzo(a)pyrene	0.430		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
205-99-2	Benzo(b)fluoranthene	0.366		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
191-24-2	Benzo(g,h,i)perylene	0.256		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
207-08-9	Benzo(k)fluoranthene	0.347		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
100-51-6	Benzyl alcohol	1.22		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0547	J	mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
218-01-9	Chrysen	0.433		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
53-70-3	Dibenzo(a,h)anthracene	0.0828	J	mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
84-74-2	Di-n-butyl phthalate	0.130		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
206-44-0	Fluoranthene	0.843		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.214		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 1:20 am

05/01/2018

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
85-01-8	Phenanthrene	0.404		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
108-95-2	Phenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
129-00-0	Pyrene	0.789		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:15	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	45.7 %		20-108							
4165-62-2	Surrogate: Phenol-d5	63.0 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	65.6 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	52.8 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	17.7 %	S-08	19-110							
1718-51-0	Surrogate: Terphenyl-d14	50.8 %		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	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
50-29-3	4,4'-DDT	0.0131		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 17:27	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/02/2018 13:48	05/03/2018 17:27	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 17:27	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00894	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0905	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:27	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	97.6 %
877-09-8	Surrogate: Tetrachloro-m-xylene	90.1 %

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	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:13	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:13	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:13	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:13	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:13	LAB
11097-69-1	Aroclor 1254	0.0856		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:13	LAB



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
11096-82-5	Aroclor 1260	0.0394		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:13	LAB
1336-36-3	* Total PCBs	0.125		mg/kg dry	0.0181	1	EPA 8082A Certifications:	05/02/2018 13:48	05/03/2018 19:13	LAB
	Surrogate Recoveries	Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	80.7 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	74.2 %					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	9420		mg/kg dry	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-36-0	Antimony	ND		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-38-2	Arsenic	5.39		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-39-3	Barium	196		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-41-7	Beryllium	0.263		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-43-9	Cadmium	0.725		mg/kg dry	0.325	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-70-2	Calcium	22600		mg/kg dry	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-47-3	Chromium	21.2		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-48-4	Cobalt	7.18		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-50-8	Copper	83.3		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7439-89-6	Iron	14600	B	mg/kg dry	2.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7439-92-1	Lead	610		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7439-95-4	Magnesium	3040		mg/kg dry	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7439-96-5	Manganese	285		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-02-0	Nickel	19.1		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
7440-09-7	Potassium	1780		mg/kg dry	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-22-4	Silver	ND		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-23-5	Sodium	303	B	mg/kg dry	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-62-2	Vanadium	32.2		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	KML
7440-66-6	Zinc	231		mg/kg dry	1.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:39	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	0.0325	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/02/2018 09:43	05/02/2018 13:19	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	92.3		%	0.100	1	SM 2540G Certifications: CTDOH	05/07/2018 10:38	05/07/2018 13:39	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	0.542	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/02/2018 08:53	05/02/2018 18:38	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	21.2		mg/kg	0.500	1	Calculation Certifications:	05/08/2018 12:34	05/08/2018 14:52	PAM



Sample Information

Client Sample ID: LSB-13 (0-2)

York Sample ID: 18E0064-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 1:20 am

05/01/2018



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 17:23	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 17:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.023	0.047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 17:23	SS
78-93-3	2-Butanone	0.0031		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
67-64-1	Acetone	0.015	SCAL-E	mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
71-43-2	Benzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
100-42-5	Styrene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0012	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 1:20 am

05/01/2018

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
108-88-3	Toluene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0012	0.0023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:23	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0035	0.0070	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 17:23	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			77-125						
2037-26-5	Surrogate: Toluene-d8	93.7 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	98.6 %			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	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
62-53-3	Aniline	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
120-12-7	Anthracene	0.0823	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
100-52-7	Benzaldehyde	0.265		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
56-55-3	Benzo(a)anthracene	0.289		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
50-32-8	Benzo(a)pyrene	0.255		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
205-99-2	Benzo(b)fluoranthene	0.215		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
191-24-2	Benzo(g,h,i)perylene	0.139		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
207-08-9	Benzo(k)fluoranthene	0.204		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
100-51-6	Benzyl alcohol	1.81		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
218-01-9	Chrysen	0.263		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
53-70-3	Dibenzo(a,h)anthracene	0.0491	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
206-44-0	Fluoranthene	0.542		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.128		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
85-01-8	Phenanthrene	0.317		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
108-95-2	Phenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
129-00-0	Pyrene	0.489		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 19:45	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	56.9 %	20-108								
4165-62-2	Surrogate: Phenol-d5	63.4 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	64.0 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	49.7 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	47.1 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	43.2 %	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	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 17:42	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0375	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/02/2018 13:48	05/03/2018 17:42	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
72-20-8	Endrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 17:42	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00937	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0949	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 17:42	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	63.5 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	74.9 %	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	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:37	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:37	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:37	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:37	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:37	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:37	LAB



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 19:37	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	05/02/2018 13:48	05/03/2018 19:37	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.8 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	59.3 %		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	12200		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-36-0	Antimony	ND		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-38-2	Arsenic	2.23		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-39-3	Barium	60.4		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-41-7	Beryllium	0.448		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.341	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-70-2	Calcium	2290		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-47-3	Chromium	20.2		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-48-4	Cobalt	7.09		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-50-8	Copper	16.9		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7439-89-6	Iron	17500	B	mg/kg dry	2.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7439-92-1	Lead	37.5		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7439-95-4	Magnesium	2650		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7439-96-5	Manganese	517		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-02-0	Nickel	16.0		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 1:20 am	<u>Date Received</u> 05/01/2018
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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
7440-09-7	Potassium	884		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-22-4	Silver	ND		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-23-5	Sodium	343	B	mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-62-2	Vanadium	21.5		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	KML
7440-66-6	Zinc	31.9		mg/kg dry	1.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:41	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	0.0407		mg/kg dry	0.0341	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/02/2018 09:43	05/02/2018 13:46	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	88.0		%	0.100	1	SM 2540G Certifications: CTDOH	05/07/2018 10:38	05/07/2018 13:39	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	0.568	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/02/2018 08:53	05/02/2018 18:38	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	20.2		mg/kg	0.500	1	Calculation Certifications:	05/08/2018 12:34	05/08/2018 14:52	PAM



Sample Information

Client Sample ID: LSB-13 (15-17)

York Sample ID: 18E0064-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 1:20 am

05/01/2018



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:15 am	<u>Date Received</u> 05/01/2018
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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	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 17:55	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 17:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 9:15 am

05/01/2018

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
123-91-1	1,4-Dioxane	ND		mg/kg dry	5.8	12	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 17:55	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
67-64-1	Acetone	ND		mg/kg dry	0.58	1.2	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
107-02-8	Acrolein	ND		mg/kg dry	0.58	1.2	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
71-43-2	Benzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-25-2	Bromoform	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
67-66-3	Chloroform	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:15 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.58	1.2	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.58	1.2	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
100-42-5	Styrene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.29	1.2	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 9:15 am

05/01/2018

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
108-88-3	Toluene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.29	0.58	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 17:55	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.87	1.7	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 17:55	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	95.1 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	96.1 %			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	2.20		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	SR



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:15 am	<u>Date Received</u> 05/01/2018
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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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
105-67-9	2,4-Dimethylphenol	0.111		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
91-57-6	2-Methylnaphthalene	11.6		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
95-48-7	2-Methylphenol	0.0701	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
65794-96-9	3- & 4-Methylphenols	0.251		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:15 am	<u>Date Received</u> 05/01/2018
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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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
83-32-9	Acenaphthene	10.6		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
208-96-8	Acenaphthylene	2.08		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
120-12-7	Anthracene	28.0		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
56-55-3	Benzo(a)anthracene	31.4		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 19:30	SR
50-32-8	Benzo(a)pyrene	27.5		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
205-99-2	Benzo(b)fluoranthene	23.6		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
191-24-2	Benzo(g,h,i)perylene	15.0		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
207-08-9	Benzo(k)fluoranthene	22.0		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
85-68-7	Benzyl butyl phthalate	0.117		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:15 am	<u>Date Received</u> 05/01/2018
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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	15.4		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
218-01-9	Chrysene	29.9		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 19:30	SR
53-70-3	Dibenzo(a,h)anthracene	5.57		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
132-64-9	Dibenzofuran	15.7		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	SR
206-44-0	Fluoranthene	92.1	CCV-E	mg/kg dry	2.31	4.62	100	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/06/2018 13:29	SR
86-73-7	Fluorene	18.6		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
193-39-5	Indeno(1,2,3-cd)pyrene	14.1		mg/kg dry	0.463	0.923	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 20:01	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
91-20-3	Naphthalene	37.4		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 19:30	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	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	05/03/2018 13:49	05/04/2018 20:16	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 9:15 am

05/01/2018

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
85-01-8	Phenanthrene	120		mg/kg dry	2.31	4.62	100	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/06/2018 13:29	SR
108-95-2	Phenol	0.421		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
129-00-0	Pyrene	60.9		mg/kg dry	1.16	2.31	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/05/2018 19:30	SR
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 20:16	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	30.9 %		20-108							
4165-62-2	Surrogate: Phenol-d5	48.7 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	46.8 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	40.5 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	3.16 %	S-09	19-110							
1718-51-0	Surrogate: Terphenyl-d14	41.8 %		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	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
5103-71-9	alpha-Chlordane	0.00316		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/04/2018 14:19	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0365	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:15 am	<u>Date Received</u> 05/01/2018
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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
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/02/2018 13:48	05/04/2018 14:19	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
5566-34-7	gamma-Chlordane	0.00668		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/04/2018 14:19	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00913	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0925	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/04/2018 14:19	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	97.2 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	37.0 %	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	05/02/2018 13:48	05/03/2018 20:01	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:01	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:01	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:01	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:01	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:01	LAB



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:15 am	<u>Date Received</u> 05/01/2018
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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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:01	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	05/02/2018 13:48	05/03/2018 20:01	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.4 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	79.9 %	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	9760		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-36-0	Antimony	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-38-2	Arsenic	2.76		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-39-3	Barium	77.2		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-41-7	Beryllium	0.136		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-70-2	Calcium	47900		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-47-3	Chromium	16.1		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-48-4	Cobalt	7.01		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-50-8	Copper	14.1		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7439-89-6	Iron	13700	B	mg/kg dry	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7439-92-1	Lead	32.4		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7439-95-4	Magnesium	5710		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7439-96-5	Manganese	253		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-02-0	Nickel	15.4		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:15 am	<u>Date Received</u> 05/01/2018
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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
7440-09-7	Potassium	2970		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-23-5	Sodium	556	B	mg/kg dry	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-62-2	Vanadium	17.6		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	KML
7440-66-6	Zinc	56.2		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:47	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	0.153		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/02/2018 09:43	05/02/2018 13:55	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	90.3		%	0.100	1	SM 2540G Certifications: CTDOH	05/07/2018 10:38	05/07/2018 13:39	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	0.554	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/02/2018 08:53	05/02/2018 18:38	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	16.1		mg/kg	0.500	1	Calculation Certifications:	05/08/2018 12:34	05/08/2018 14:52	PAM



Sample Information

Client Sample ID: LSB-18 (1.5-3.5)

York Sample ID: 18E0064-08

York Project (SDG) No.
18E0064

Client Project ID
100674401

Matrix
Soil

Collection Date/Time
May 1, 2018 9:15 am

Date Received
05/01/2018



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:30 am	<u>Date Received</u> 05/01/2018
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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	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 18:26	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 18:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:30 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.16	0.32	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 18:26	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
67-64-1	Acetone	0.027	SCAL-E, J	mg/kg dry	0.016	0.032	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
107-02-8	Acrolein	ND		mg/kg dry	0.016	0.032	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
71-43-2	Benzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 9:30 am

05/01/2018

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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.016	0.032	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.016	0.032	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
100-42-5	Styrene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0080	0.032	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 9:30 am

05/01/2018

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
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
108-88-3	Toluene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/04/2018 07:30	05/04/2018 18:26	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.024	0.048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/04/2018 07:30	05/04/2018 18:26	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	96.6 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	102 %			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	0.0574	J	mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.114	0.228	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.114	0.228	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:30 am	<u>Date Received</u> 05/01/2018
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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
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.114	0.228	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
91-57-6	2-Methylnaphthalene	0.234		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.114	0.228	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.114	0.228	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.114	0.228	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.114	0.228	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 9:30 am

05/01/2018

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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.114	0.228	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
83-32-9	Acenaphthene	0.241		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
208-96-8	Acenaphthylene	0.119		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
62-53-3	Aniline	ND		mg/kg dry	0.228	0.457	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
120-12-7	Anthracene	0.551		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
92-87-5	Benzidine	ND		mg/kg dry	0.228	0.457	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
56-55-3	Benzo(a)anthracene	0.804		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
50-32-8	Benzo(a)pyrene	0.746		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
205-99-2	Benzo(b)fluoranthene	0.590		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
191-24-2	Benzo(g,h,i)perylene	0.409		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
207-08-9	Benzo(k)fluoranthene	0.542		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.114	0.228	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

York Project (SDG) No.

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18E0064

100674401

Soil

May 1, 2018 9:30 am

05/01/2018

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	0.347		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
218-01-9	Chrysene	0.696		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
53-70-3	Dibenzo(a,h)anthracene	0.155		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
132-64-9	Dibenzofuran	0.347		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
206-44-0	Fluoranthene	2.02		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
86-73-7	Fluorene	0.425		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.419		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
91-20-3	Naphthalene	0.712		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Soil

May 1, 2018 9:30 am

05/01/2018

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
85-01-8	Phenanthrene	2.55		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
108-95-2	Phenol	ND		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
129-00-0	Pyrene	1.54		mg/kg dry	0.0572	0.114	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
110-86-1	Pyridine	ND		mg/kg dry	0.228	0.457	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 13:49	05/04/2018 21:49	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	62.8 %	20-108								
4165-62-2	Surrogate: Phenol-d5	67.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	65.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	43.9 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	75.0 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	38.2 %	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	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 18:12	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0451	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:30 am	<u>Date Received</u> 05/01/2018
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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
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/02/2018 13:48	05/03/2018 18:12	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
72-20-8	Endrin	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/02/2018 13:48	05/03/2018 18:12	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00226	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.0113	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.114	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 18:12	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	67.5 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	73.1 %	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	0.0228	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:25	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0228	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:25	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0228	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:25	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0228	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:25	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0228	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:25	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0228	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:25	LAB



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:30 am	<u>Date Received</u> 05/01/2018
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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
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0228	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/02/2018 13:48	05/03/2018 20:25	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0228	1	EPA 8082A Certifications:	05/02/2018 13:48	05/03/2018 20:25	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.2 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	59.8 %		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	10200		mg/kg dry	6.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-36-0	Antimony	ND		mg/kg dry	0.684	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-38-2	Arsenic	9.18		mg/kg dry	1.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-39-3	Barium	121		mg/kg dry	1.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-41-7	Beryllium	0.339		mg/kg dry	0.137	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-43-9	Cadmium	0.414		mg/kg dry	0.410	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-70-2	Calcium	14400		mg/kg dry	6.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-47-3	Chromium	23.2		mg/kg dry	0.684	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-48-4	Cobalt	11.1		mg/kg dry	0.684	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-50-8	Copper	54.0		mg/kg dry	0.684	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7439-89-6	Iron	18600	B	mg/kg dry	2.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7439-92-1	Lead	250		mg/kg dry	0.684	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7439-95-4	Magnesium	4330		mg/kg dry	6.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7439-96-5	Manganese	434		mg/kg dry	0.684	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-02-0	Nickel	22.6		mg/kg dry	0.684	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Soil	<u>Collection Date/Time</u> May 1, 2018 9:30 am	<u>Date Received</u> 05/01/2018
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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
7440-09-7	Potassium	2750		mg/kg dry	6.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7782-49-2	Selenium	ND		mg/kg dry	1.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-22-4	Silver	ND		mg/kg dry	0.684	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-23-5	Sodium	899	B	mg/kg dry	13.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-28-0	Thallium	ND		mg/kg dry	1.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-62-2	Vanadium	25.4		mg/kg dry	1.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	KML
7440-66-6	Zinc	301		mg/kg dry	2.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/02/2018 09:56	05/02/2018 18:49	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	2.50		mg/kg dry	0.0410	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/02/2018 09:43	05/02/2018 14:04	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	73.1		%	0.100	1	SM 2540G Certifications: CTDOH	05/07/2018 10:38	05/07/2018 13:39	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	0.684	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/02/2018 08:53	05/02/2018 18:38	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	23.2		mg/kg	0.500	1	Calculation Certifications:	05/08/2018 12:34	05/08/2018 14:52	PAM



Sample Information

Client Sample ID: LSB-18 (5.5-7.5)

York Sample ID: 18E0064-09

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0064	100674401	Soil	May 1, 2018 9:30 am	05/01/2018



Sample Information

Client Sample ID: Trip Blank-5

York Sample ID: 18E0064-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Water

May 1, 2018 12:00 am

05/01/2018

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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	RDS





Sample Information

Client Sample ID: Trip Blank-5

York Sample ID: 18E0064-10

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 1, 2018 12:00 am	<u>Date Received</u> 05/01/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS



Sample Information

Client Sample ID: Trip Blank-5

York Sample ID: 18E0064-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0064

100674401

Water

May 1, 2018 12:00 am

05/01/2018

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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS



Sample Information

Client Sample ID: Trip Blank-5

York Sample ID: 18E0064-10

<u>York Project (SDG) No.</u> 18E0064	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 1, 2018 12:00 am	<u>Date Received</u> 05/01/2018
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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	05/03/2018 07:30	05/03/2018 13:16	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	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	05/03/2018 07:30	05/03/2018 13:16	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/03/2018 07:30	05/03/2018 13:16	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/03/2018 07:30	05/03/2018 13:16	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.6 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	70-130								



Analytical Batch Summary

Batch ID: BE80080

Preparation Method: EPA SW846-3060

Prepared By: TJD

YORK Sample ID	Client Sample ID	Preparation Date
18E0064-01	LSB-14 (16-18)	05/02/18
18E0064-02	LSB-14 (0-2)	05/02/18
18E0064-03	LSB-12 (13-15)	05/02/18
18E0064-04	DUP-3	05/02/18
18E0064-05	LSB-12 (0-2)	05/02/18
18E0064-06	LSB-13 (0-2)	05/02/18
18E0064-07	LSB-13 (15-17)	05/02/18
18E0064-08	LSB-18 (1.5-3.5)	05/02/18
18E0064-09	LSB-18 (5.5-7.5)	05/02/18
BE80080-BLK1	Blank	05/02/18
BE80080-SRM1	Reference	05/02/18

Batch ID: BE80086

Preparation Method: EPA 7473 soil

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0064-01	LSB-14 (16-18)	05/02/18
18E0064-02	LSB-14 (0-2)	05/02/18
18E0064-03	LSB-12 (13-15)	05/02/18
18E0064-04	DUP-3	05/02/18
18E0064-05	LSB-12 (0-2)	05/02/18
18E0064-06	LSB-13 (0-2)	05/02/18
18E0064-07	LSB-13 (15-17)	05/02/18
18E0064-08	LSB-18 (1.5-3.5)	05/02/18
18E0064-09	LSB-18 (5.5-7.5)	05/02/18
BE80086-BLK1	Blank	05/02/18
BE80086-SRM1	Reference	05/02/18

Batch ID: BE80092

Preparation Method: EPA 3050B

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0064-01	LSB-14 (16-18)	05/02/18
18E0064-02	LSB-14 (0-2)	05/02/18
18E0064-03	LSB-12 (13-15)	05/02/18
18E0064-04	DUP-3	05/02/18
18E0064-05	LSB-12 (0-2)	05/02/18
18E0064-06	LSB-13 (0-2)	05/02/18
18E0064-07	LSB-13 (15-17)	05/02/18
18E0064-08	LSB-18 (1.5-3.5)	05/02/18
18E0064-09	LSB-18 (5.5-7.5)	05/02/18
BE80092-BLK1	Blank	05/02/18
BE80092-DUP1	Duplicate	05/02/18
BE80092-MS1	Matrix Spike	05/02/18
BE80092-SRM1	Reference	05/02/18



Batch ID: BE80114

Preparation Method: EPA 3550C

Prepared By: AB

YORK Sample ID	Client Sample ID	Preparation Date
18E0064-01	LSB-14 (16-18)	05/02/18
18E0064-01	LSB-14 (16-18)	05/02/18
18E0064-02	LSB-14 (0-2)	05/02/18
18E0064-02	LSB-14 (0-2)	05/02/18
18E0064-03	LSB-12 (13-15)	05/02/18
18E0064-03	LSB-12 (13-15)	05/02/18
18E0064-04	DUP-3	05/02/18
18E0064-04	DUP-3	05/02/18
18E0064-05	LSB-12 (0-2)	05/02/18
18E0064-05	LSB-12 (0-2)	05/02/18
18E0064-06	LSB-13 (0-2)	05/02/18
18E0064-06	LSB-13 (0-2)	05/02/18
18E0064-07	LSB-13 (15-17)	05/02/18
18E0064-07	LSB-13 (15-17)	05/02/18
18E0064-08	LSB-18 (1.5-3.5)	05/02/18
18E0064-08	LSB-18 (1.5-3.5)	05/02/18
18E0064-09	LSB-18 (5.5-7.5)	05/02/18
18E0064-09	LSB-18 (5.5-7.5)	05/02/18
BE80114-BLK1	Blank	05/02/18
BE80114-BLK2	Blank	05/02/18
BE80114-BS1	LCS	05/02/18
BE80114-BS2	LCS	05/02/18

Batch ID: BE80160

Preparation Method: EPA 5030B

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0064-10	Trip Blank-5	05/03/18
BE80160-BLK1	Blank	05/03/18
BE80160-BS1	LCS	05/03/18
BE80160-BSD1	LCS Dup	05/03/18

Batch ID: BE80189

Preparation Method: EPA 3550C

Prepared By: AB

YORK Sample ID	Client Sample ID	Preparation Date
18E0064-01	LSB-14 (16-18)	05/03/18
18E0064-02	LSB-14 (0-2)	05/03/18
18E0064-03	LSB-12 (13-15)	05/03/18
18E0064-04	DUP-3	05/03/18
18E0064-05	LSB-12 (0-2)	05/03/18
18E0064-05RE1	LSB-12 (0-2)	05/03/18
18E0064-06	LSB-13 (0-2)	05/03/18
18E0064-07	LSB-13 (15-17)	05/03/18
18E0064-08	LSB-18 (1.5-3.5)	05/03/18
18E0064-08RE1	LSB-18 (1.5-3.5)	05/03/18
18E0064-08RE2	LSB-18 (1.5-3.5)	05/03/18
18E0064-08RE3	LSB-18 (1.5-3.5)	05/03/18
18E0064-09	LSB-18 (5.5-7.5)	05/03/18
BE80189-BLK1	Blank	05/03/18



BE80189-BS1 LCS 05/03/18
BE80189-MS1 Matrix Spike 05/03/18
BE80189-MSD1 Matrix Spike Dup 05/03/18

Batch ID: BE80217 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0064-01	LSB-14 (16-18)	05/04/18
18E0064-02	LSB-14 (0-2)	05/04/18
18E0064-03	LSB-12 (13-15)	05/04/18
18E0064-04	DUP-3	05/04/18
18E0064-05	LSB-12 (0-2)	05/04/18
18E0064-06	LSB-13 (0-2)	05/04/18
18E0064-07	LSB-13 (15-17)	05/04/18
18E0064-08	LSB-18 (1.5-3.5)	05/04/18
18E0064-09	LSB-18 (5.5-7.5)	05/04/18
BE80217-BLK1	Blank	05/04/18
BE80217-BLK2	Blank	05/04/18
BE80217-BS1	LCS	05/04/18
BE80217-BSD1	LCS Dup	05/04/18

Batch ID: BE80325 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18E0064-01	LSB-14 (16-18)	05/07/18
18E0064-02	LSB-14 (0-2)	05/07/18
18E0064-03	LSB-12 (13-15)	05/07/18
18E0064-04	DUP-3	05/07/18
18E0064-05	LSB-12 (0-2)	05/07/18
18E0064-06	LSB-13 (0-2)	05/07/18
18E0064-07	LSB-13 (15-17)	05/07/18
18E0064-08	LSB-18 (1.5-3.5)	05/07/18
18E0064-09	LSB-18 (5.5-7.5)	05/07/18
BE80325-DUP1	Duplicate	05/07/18

Batch ID: BE80418 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0064-01	LSB-14 (16-18)	05/08/18
18E0064-02	LSB-14 (0-2)	05/08/18
18E0064-03	LSB-12 (13-15)	05/08/18
18E0064-04	DUP-3	05/08/18
18E0064-05	LSB-12 (0-2)	05/08/18
18E0064-06	LSB-13 (0-2)	05/08/18
18E0064-07	LSB-13 (15-17)	05/08/18
18E0064-08	LSB-18 (1.5-3.5)	05/08/18
18E0064-09	LSB-18 (5.5-7.5)	05/08/18



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
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Batch BE80160 - EPA 5030B

Blank (BE80160-BLK1)

Prepared & Analyzed: 05/03/2018

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
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Batch BE80160 - EPA 5030B

Blank (BE80160-BLK1)

Prepared & Analyzed: 05/03/2018

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	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.54</i>		<i>"</i>	<i>10.0</i>		<i>95.4</i>	<i>70-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>70-130</i>				

LCS (BE80160-BS1)

Prepared & Analyzed: 05/03/2018

1,1,1,2-Tetrachloroethane	11.7		ug/L	10.0		117	82-126			30	
1,1,1-Trichloroethane	11.6		"	10.0		116	70-130			20	
1,1,2,2-Tetrachloroethane	9.82		"	10.0		98.2	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.97		"	10.0		99.7	70-130			20	
1,1,2-Trichloroethane	9.17		"	10.0		91.7	70-130			20	
1,1-Dichloroethane	10.9		"	10.0		109	70-130			20	
1,1-Dichloroethylene	10.6		"	10.0		106	70-130			20	
1,1-Dichloropropylene	11.0		"	10.0		110	83-133			30	
1,2,3-Trichlorobenzene	9.22		"	10.0		92.2	70-130			20	
1,2,3-Trichloropropane	9.27		"	10.0		92.7	77-128			30	
1,2,4-Trichlorobenzene	9.36		"	10.0		93.6	70-130			20	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132			20	
1,2-Dibromo-3-chloropropane	9.04		"	10.0		90.4	40-160			20	
1,2-Dibromoethane	9.50		"	10.0		95.0	70-130			20	
1,2-Dichlorobenzene	9.66		"	10.0		96.6	70-130			20	
1,2-Dichloroethane	10.2		"	10.0		102	70-130			20	
1,2-Dichloropropane	9.86		"	10.0		98.6	70-130			20	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131			30	
1,3-Dichlorobenzene	10.4		"	10.0		104	70-130			20	
1,3-Dichloropropane	9.36		"	10.0		93.6	81-125			30	
1,4-Dichlorobenzene	9.57		"	10.0		95.7	70-130			20	
1,4-Dioxane	75.1		"	210		35.8	40-160	Low Bias		20	
2,2-Dichloropropane	11.8		"	10.0		118	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
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Batch BE80160 - EPA 5030B

LCS (BE80160-BS1)

Prepared & Analyzed: 05/03/2018

2-Butanone	8.47		ug/L	10.0		84.7	40-160				20
2-Chlorotoluene	10.6		"	10.0		106	79-130				30
2-Hexanone	7.67		"	10.0		76.7	40-160				20
4-Chlorotoluene	10.0		"	10.0		100	79-128				30
4-Methyl-2-pentanone	8.10		"	10.0		81.0	40-160				20
Acetone	6.52		"	10.0		65.2	40-160				20
Acrolein	7.89		"	10.0		78.9	10-153				30
Acrylonitrile	8.81		"	10.0		88.1	51-150				30
Benzene	11.2		"	10.0		112	70-130				20
Bromobenzene	9.76		"	10.0		97.6	78-129				30
Bromochloromethane	10.6		"	10.0		106	70-130				20
Bromodichloromethane	10.4		"	10.0		104	70-130				20
Bromoform	10.5		"	10.0		105	70-130				20
Bromomethane	6.42		"	10.0		64.2	40-160				20
Carbon disulfide	11.2		"	10.0		112	40-160				20
Carbon tetrachloride	12.8		"	10.0		128	70-130				20
Chlorobenzene	10.2		"	10.0		102	70-130				20
Chloroethane	11.9		"	10.0		119	40-160				20
Chloroform	10.6		"	10.0		106	70-130				20
Chloromethane	9.87		"	10.0		98.7	40-160				20
cis-1,2-Dichloroethylene	10.7		"	10.0		107	70-130				20
cis-1,3-Dichloropropylene	10.1		"	10.0		101	70-130				20
Cyclohexane	11.0		"	10.0		110	70-130				20
Dibromochloromethane	10.6		"	10.0		106	70-130				20
Dibromomethane	9.26		"	10.0		92.6	72-134				30
Dichlorodifluoromethane	13.2		"	10.0		132	40-160				20
Ethyl Benzene	11.1		"	10.0		111	70-130				20
Hexachlorobutadiene	8.61		"	10.0		86.1	67-146				30
Isopropylbenzene	10.7		"	10.0		107	70-130				20
Methyl acetate	9.44		"	10.0		94.4	70-130				20
Methyl tert-butyl ether (MTBE)	9.71		"	10.0		97.1	70-130				20
Methylcyclohexane	9.85		"	10.0		98.5	70-130				20
Methylene chloride	9.92		"	10.0		99.2	70-130				20
n-Butylbenzene	10.5		"	10.0		105	79-132				30
n-Propylbenzene	10.9		"	10.0		109	78-133				30
o-Xylene	10.5		"	10.0		105	70-130				20
p- & m- Xylenes	22.1		"	20.0		111	70-130				20
p-Isopropyltoluene	10.9		"	10.0		109	81-136				30
sec-Butylbenzene	11.0		"	10.0		110	79-137				30
Styrene	10.2		"	10.0		102	70-130				20
tert-Butyl alcohol (TBA)	30.6		"	50.0		61.1	25-162				30
tert-Butylbenzene	10.3		"	10.0		103	77-138				30
Tetrachloroethylene	8.68		"	10.0		86.8	70-130				20
Toluene	10.7		"	10.0		107	70-130				20
trans-1,2-Dichloroethylene	10.7		"	10.0		107	70-130				20
trans-1,3-Dichloropropylene	9.73		"	10.0		97.3	70-130				20
Trichloroethylene	9.97		"	10.0		99.7	70-130				20
Trichlorofluoromethane	11.8		"	10.0		118	40-160				20
Vinyl Chloride	11.9		"	10.0		119	70-130				20
Surrogate: 1,2-Dichloroethane-d4	9.66		"	10.0		96.6	70-130				
Surrogate: Toluene-d8	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 BE80160 - EPA 5030B											
LCS (BE80160-BS1)										Prepared & Analyzed: 05/03/2018	
Surrogate: <i>p</i> -Bromofluorobenzene	10.1		ug/L	10.0		101	70-130				
LCS Dup (BE80160-BS1)										Prepared & Analyzed: 05/03/2018	
1,1,1,2-Tetrachloroethane	12.1		ug/L	10.0		121	82-126		3.20	30	
1,1,1-Trichloroethane	11.7		"	10.0		117	70-130		0.515	20	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	70-130		8.11	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.86		"	10.0		98.6	70-130		1.11	20	
1,1,2-Trichloroethane	9.76		"	10.0		97.6	70-130		6.23	20	
1,1-Dichloroethane	10.9		"	10.0		109	70-130		0.0914	20	
1,1-Dichloroethylene	10.6		"	10.0		106	70-130		0.00	20	
1,1-Dichloropropylene	11.1		"	10.0		111	83-133		0.633	30	
1,2,3-Trichlorobenzene	9.83		"	10.0		98.3	70-130		6.40	20	
1,2,3-Trichloropropane	9.94		"	10.0		99.4	77-128		6.98	30	
1,2,4-Trichlorobenzene	9.86		"	10.0		98.6	70-130		5.20	20	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		0.857	20	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	40-160		11.7	20	
1,2-Dibromoethane	10.2		"	10.0		102	70-130		7.20	20	
1,2-Dichlorobenzene	9.98		"	10.0		99.8	70-130		3.26	20	
1,2-Dichloroethane	10.8		"	10.0		108	70-130		5.53	20	
1,2-Dichloropropane	10.0		"	10.0		100	70-130		1.91	20	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		0.769	30	
1,3-Dichlorobenzene	10.5		"	10.0		105	70-130		1.15	20	
1,3-Dichloropropane	9.92		"	10.0		99.2	81-125		5.81	30	
1,4-Dichlorobenzene	9.72		"	10.0		97.2	70-130		1.56	20	
1,4-Dioxane	82.5		"	210		39.3	40-160	Low Bias	9.40	20	
2,2-Dichloropropane	11.6		"	10.0		116	56-150		1.03	30	
2-Butanone	9.54		"	10.0		95.4	40-160		11.9	20	
2-Chlorotoluene	10.5		"	10.0		105	79-130		0.664	30	
2-Hexanone	8.80		"	10.0		88.0	40-160		13.7	20	
4-Chlorotoluene	9.94		"	10.0		99.4	79-128		1.00	30	
4-Methyl-2-pentanone	9.22		"	10.0		92.2	40-160		12.9	20	
Acetone	7.40		"	10.0		74.0	40-160		12.6	20	
Acrolein	7.85		"	10.0		78.5	10-153		0.508	30	
Acrylonitrile	9.64		"	10.0		96.4	51-150		9.00	30	
Benzene	11.2		"	10.0		112	70-130		0.179	20	
Bromobenzene	9.91		"	10.0		99.1	78-129		1.53	30	
Bromochloromethane	11.0		"	10.0		110	70-130		3.97	20	
Bromodichloromethane	10.8		"	10.0		108	70-130		3.69	20	
Bromoform	11.6		"	10.0		116	70-130		10.2	20	
Bromomethane	6.66		"	10.0		66.6	40-160		3.67	20	
Carbon disulfide	11.2		"	10.0		112	40-160		0.715	20	
Carbon tetrachloride	13.0		"	10.0		130	70-130		1.63	20	
Chlorobenzene	10.2		"	10.0		102	70-130		0.687	20	
Chloroethane	11.4		"	10.0		114	40-160		4.28	20	
Chloroform	10.7		"	10.0		107	70-130		1.03	20	
Chloromethane	9.70		"	10.0		97.0	40-160		1.74	20	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	70-130		0.466	20	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130		3.41	20	
Cyclohexane	11.2		"	10.0		112	70-130		1.81	20	
Dibromochloromethane	11.4		"	10.0		114	70-130		7.55	20	
Dibromomethane	9.81		"	10.0		98.1	72-134		5.77	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80160 - EPA 5030B

LCS Dup (BE80160-BSD1)

Prepared & Analyzed: 05/03/2018

Dichlorodifluoromethane	13.6		ug/L	10.0		136	40-160		2.31	20	
Ethyl Benzene	11.1		"	10.0		111	70-130		0.270	20	
Hexachlorobutadiene	8.79		"	10.0		87.9	67-146		2.07	30	
Isopropylbenzene	10.5		"	10.0		105	70-130		1.61	20	
Methyl acetate	10.2		"	10.0		102	70-130		7.35	20	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	70-130		11.7	20	
Methylcyclohexane	10.0		"	10.0		100	70-130		1.61	20	
Methylene chloride	10.2		"	10.0		102	70-130		2.59	20	
n-Butylbenzene	10.4		"	10.0		104	79-132		0.956	30	
n-Propylbenzene	10.7		"	10.0		107	78-133		1.48	30	
o-Xylene	10.7		"	10.0		107	70-130		1.23	20	
p- & m- Xylenes	22.1		"	20.0		110	70-130		0.0452	20	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		0.738	30	
sec-Butylbenzene	10.9		"	10.0		109	79-137		1.10	30	
Styrene	10.4		"	10.0		104	70-130		2.52	20	
tert-Butyl alcohol (TBA)	35.8		"	50.0		71.7	25-162		15.9	30	
tert-Butylbenzene	10.2		"	10.0		102	77-138		0.585	30	
Tetrachloroethylene	8.63		"	10.0		86.3	70-130		0.578	20	
Toluene	10.7		"	10.0		107	70-130		0.0932	20	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	70-130		0.187	20	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	70-130		6.75	20	
Trichloroethylene	9.89		"	10.0		98.9	70-130		0.806	20	
Trichlorofluoromethane	11.6		"	10.0		116	40-160		1.46	20	
Vinyl Chloride	11.6		"	10.0		116	70-130		1.96	20	
Surrogate: 1,2-Dichloroethane-d4	9.89		"	10.0		98.9	70-130				
Surrogate: Toluene-d8	9.71		"	10.0		97.1	70-130				
Surrogate: p-Bromofluorobenzene	9.98		"	10.0		99.8	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80217 - EPA 5035A

Blank (BE80217-BLK1)

Prepared & Analyzed: 05/04/2018

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	"								
Hexachlorobutadiene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80217 - EPA 5035A

Blank (BE80217-BLK1)

Prepared & Analyzed: 05/04/2018

Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.010	"								
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	50.1		ug/L	50.0		100	77-125				
Surrogate: Toluene-d8	49.1		"	50.0		98.2	85-120				
Surrogate: p-Bromofluorobenzene	51.4		"	50.0		103	76-130				

Blank (BE80217-BLK2)

Prepared & Analyzed: 05/04/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80217 - EPA 5035A

Blank (BE80217-BLK2)

Prepared & Analyzed: 05/04/2018

2-Chlorotoluene	ND	0.50	mg/kg wet								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								

<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.1		ug/L	50.0		102	77-125				
<i>Surrogate: Toluene-d8</i>	46.2		"	50.0		92.5	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 BE80217 - EPA 5035A											
Blank (BE80217-BLK2)										Prepared & Analyzed: 05/04/2018	
Surrogate: <i>p</i> -Bromofluorobenzene	49.0		ug/L	50.0		98.1	76-130				
LCS (BE80217-BS1)										Prepared & Analyzed: 05/04/2018	
1,1,1,2-Tetrachloroethane	46.6		ug/L	50.0		93.3	75-129				30
1,1,1-Trichloroethane	49.5		"	50.0		98.9	70-130				30
1,1,2,2-Tetrachloroethane	48.0		"	50.0		95.9	70-130				30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.7		"	50.0		105	70-130				30
1,1,2-Trichloroethane	48.4		"	50.0		96.8	70-130				30
1,1-Dichloroethane	53.4		"	50.0		107	70-130				30
1,1-Dichloroethylene	56.7		"	50.0		113	70-130				30
1,1-Dichloropropylene	50.6		"	50.0		101	77-127				30
1,2,3-Trichlorobenzene	42.8		"	50.0		85.6	70-130				30
1,2,3-Trichloropropane	45.0		"	50.0		90.0	81-126				30
1,2,4-Trichlorobenzene	40.9		"	50.0		81.8	70-130				30
1,2,4-Trimethylbenzene	42.6		"	50.0		85.1	84-125				30
1,2-Dibromo-3-chloropropane	52.7		"	50.0		105	40-160				30
1,2-Dibromoethane	47.3		"	50.0		94.5	70-130				30
1,2-Dichlorobenzene	43.5		"	50.0		87.0	70-130				30
1,2-Dichloroethane	53.3		"	50.0		107	70-130				30
1,2-Dichloropropane	50.6		"	50.0		101	70-130				30
1,3,5-Trimethylbenzene	42.4		"	50.0		84.7	82-126				30
1,3-Dichlorobenzene	42.3		"	50.0		84.6	70-130				30
1,3-Dichloropropane	49.3		"	50.0		98.7	83-123				30
1,4-Dichlorobenzene	42.4		"	50.0		84.7	70-130				30
1,4-Dioxane	1190		"	1050		114	40-160				30
2,2-Dichloropropane	47.0		"	50.0		94.0	67-136				30
2-Butanone	52.3		"	50.0		105	40-160				30
2-Chlorotoluene	44.1		"	50.0		88.3	78-127				30
2-Hexanone	50.9		"	50.0		102	40-160				30
4-Chlorotoluene	42.3		"	50.0		84.5	79-125				30
4-Methyl-2-pentanone	50.5		"	50.0		101	40-160				30
Acetone	42.6		"	50.0		85.1	40-160				30
Acrolein	51.6		"	50.0		103	10-238				30
Acrylonitrile	54.0		"	50.0		108	66-141				30
Benzene	50.0		"	50.0		100	70-130				30
Bromobenzene	46.9		"	50.0		93.8	77-129				30
Bromochloromethane	52.6		"	50.0		105	70-130				30
Bromodichloromethane	51.4		"	50.0		103	70-130				30
Bromoform	47.2		"	50.0		94.5	70-130				30
Bromomethane	57.0		"	50.0		114	40-160				30
Carbon disulfide	58.7		"	50.0		117	40-160				30
Carbon tetrachloride	51.8		"	50.0		104	70-130				30
Chlorobenzene	44.6		"	50.0		89.1	70-130				30
Chloroethane	63.4		"	50.0		127	51-142				30
Chloroform	52.7		"	50.0		105	70-130				30
Chloromethane	59.2		"	50.0		118	49-132				30
cis-1,2-Dichloroethylene	48.0		"	50.0		96.0	70-130				30
cis-1,3-Dichloropropylene	45.9		"	50.0		91.9	70-130				30
Cyclohexane	52.5		"	50.0		105	70-130				30
Dibromochloromethane	48.3		"	50.0		96.5	70-130				30
Dibromomethane	48.7		"	50.0		97.4	83-124				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
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Batch BE80217 - EPA 5035A

LCS (BE80217-BS1)

Prepared & Analyzed: 05/04/2018

Dichlorodifluoromethane	73.7		ug/L	50.0		147	40-160				30
Ethyl Benzene	45.7		"	50.0		91.4	70-130				30
Hexachlorobutadiene	44.4		"	50.0		88.7	83-133				30
Isopropylbenzene	42.5		"	50.0		84.9	70-130				30
Methyl acetate	53.4		"	50.0		107	70-130				30
Methyl tert-butyl ether (MTBE)	54.1		"	50.0		108	70-130				30
Methylcyclohexane	47.7		"	50.0		95.4	70-130				30
Methylene chloride	42.8		"	50.0		85.7	70-130				30
n-Butylbenzene	41.8		"	50.0		83.6	80-130				30
n-Propylbenzene	42.5		"	50.0		85.0	74-136				30
o-Xylene	46.5		"	50.0		92.9	70-130				30
p- & m- Xylenes	91.9		"	100		91.9	70-130				30
p-Isopropyltoluene	41.8		"	50.0		83.6	85-125	Low Bias			30
sec-Butylbenzene	44.7		"	50.0		89.3	83-125				30
Styrene	44.9		"	50.0		89.7	70-130				30
tert-Butyl alcohol (TBA)	287		"	250		115	70-130				30
tert-Butylbenzene	43.1		"	50.0		86.1	80-127				30
Tetrachloroethylene	44.0		"	50.0		88.1	70-130				30
Toluene	45.4		"	50.0		90.7	70-130				30
trans-1,2-Dichloroethylene	51.7		"	50.0		103	70-130				30
trans-1,3-Dichloropropylene	45.6		"	50.0		91.3	70-130				30
Trichloroethylene	46.2		"	50.0		92.4	70-130				30
Trichlorofluoromethane	59.0		"	50.0		118	40-160				30
Vinyl Chloride	63.1		"	50.0		126	70-130				30
Surrogate: 1,2-Dichloroethane-d4	51.8		"	50.0		104	77-125				
Surrogate: Toluene-d8	47.4		"	50.0		94.9	85-120				
Surrogate: p-Bromofluorobenzene	50.1		"	50.0		100	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80217 - EPA 5035A											
LCS Dup (BE80217-BSD1)											
Prepared & Analyzed: 05/04/2018											
1,1,1,2-Tetrachloroethane	47.2		ug/L	50.0		94.4	75-129		1.21		30
1,1,1-Trichloroethane	51.0		"	50.0		102	70-130		2.97		30
1,1,2,2-Tetrachloroethane	47.7		"	50.0		95.3	70-130		0.648		30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.6		"	50.0		105	70-130		0.190		30
1,1,2-Trichloroethane	47.6		"	50.0		95.2	70-130		1.69		30
1,1-Dichloroethane	53.9		"	50.0		108	70-130		1.08		30
1,1-Dichloroethylene	56.7		"	50.0		113	70-130		0.0705		30
1,1-Dichloropropylene	50.7		"	50.0		101	77-127		0.0987		30
1,2,3-Trichlorobenzene	42.5		"	50.0		84.9	70-130		0.798		30
1,2,3-Trichloropropane	45.9		"	50.0		91.9	81-126		2.05		30
1,2,4-Trichlorobenzene	38.4		"	50.0		76.8	70-130		6.38		30
1,2,4-Trimethylbenzene	42.3		"	50.0		84.6	84-125		0.636		30
1,2-Dibromo-3-chloropropane	50.6		"	50.0		101	40-160		4.16		30
1,2-Dibromoethane	47.3		"	50.0		94.6	70-130		0.0423		30
1,2-Dichlorobenzene	43.2		"	50.0		86.4	70-130		0.669		30
1,2-Dichloroethane	53.2		"	50.0		106	70-130		0.263		30
1,2-Dichloropropane	51.2		"	50.0		102	70-130		1.30		30
1,3,5-Trimethylbenzene	42.6		"	50.0		85.2	82-126		0.589		30
1,3-Dichlorobenzene	42.4		"	50.0		84.7	70-130		0.213		30
1,3-Dichloropropane	48.8		"	50.0		97.5	83-123		1.14		30
1,4-Dichlorobenzene	41.9		"	50.0		83.8	70-130		1.12		30
1,4-Dioxane	1200		"	1050		114	40-160		0.559		30
2,2-Dichloropropane	48.3		"	50.0		96.6	67-136		2.71		30
2-Butanone	51.6		"	50.0		103	40-160		1.29		30
2-Chlorotoluene	43.8		"	50.0		87.5	78-127		0.842		30
2-Hexanone	49.7		"	50.0		99.4	40-160		2.39		30
4-Chlorotoluene	41.8		"	50.0		83.7	79-125		1.02		30
4-Methyl-2-pentanone	50.6		"	50.0		101	40-160		0.0594		30
Acetone	43.3		"	50.0		86.6	40-160		1.72		30
Acrolein	46.5		"	50.0		92.9	10-238		10.5		30
Acrylonitrile	53.4		"	50.0		107	66-141		1.14		30
Benzene	50.6		"	50.0		101	70-130		1.15		30
Bromobenzene	46.3		"	50.0		92.6	77-129		1.24		30
Bromochloromethane	52.0		"	50.0		104	70-130		1.11		30
Bromodichloromethane	51.4		"	50.0		103	70-130		0.0195		30
Bromoform	46.3		"	50.0		92.6	70-130		2.03		30
Bromomethane	56.5		"	50.0		113	40-160		0.969		30
Carbon disulfide	59.7		"	50.0		119	40-160		1.69		30
Carbon tetrachloride	51.8		"	50.0		104	70-130		0.0773		30
Chlorobenzene	44.4		"	50.0		88.8	70-130		0.315		30
Chloroethane	64.1		"	50.0		128	51-142		1.07		30
Chloroform	52.8		"	50.0		106	70-130		0.303		30
Chloromethane	62.4		"	50.0		125	49-132		5.33		30
cis-1,2-Dichloroethylene	48.9		"	50.0		97.7	70-130		1.73		30
cis-1,3-Dichloropropylene	45.6		"	50.0		91.2	70-130		0.721		30
Cyclohexane	53.4		"	50.0		107	70-130		1.83		30
Dibromochloromethane	48.6		"	50.0		97.3	70-130		0.764		30
Dibromomethane	47.6		"	50.0		95.2	83-124		2.35		30
Dichlorodifluoromethane	76.0		"	50.0		152	40-160		3.14		30
Ethyl Benzene	46.2		"	50.0		92.4	70-130		1.09		30
Hexachlorobutadiene	45.8		"	50.0		91.6	83-133		3.22		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
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Batch BE80217 - EPA 5035A

LCS Dup (BE80217-BSD1)

Prepared & Analyzed: 05/04/2018

Isopropylbenzene	42.7		ug/L	50.0		85.4	70-130		0.517	30	
Methyl acetate	53.7		"	50.0		107	70-130		0.654	30	
Methyl tert-butyl ether (MTBE)	54.0		"	50.0		108	70-130		0.222	30	
Methylcyclohexane	48.5		"	50.0		97.0	70-130		1.66	30	
Methylene chloride	43.4		"	50.0		86.9	70-130		1.37	30	
n-Butylbenzene	41.4		"	50.0		82.8	80-130		1.03	30	
n-Propylbenzene	42.4		"	50.0		84.8	74-136		0.212	30	
o-Xylene	47.3		"	50.0		94.6	70-130		1.73	30	
p- & m- Xylenes	92.5		"	100		92.5	70-130		0.662	30	
p-Isopropyltoluene	41.4		"	50.0		82.8	85-125	Low Bias	0.962	30	
sec-Butylbenzene	44.6		"	50.0		89.2	83-125		0.179	30	
Styrene	44.7		"	50.0		89.4	70-130		0.335	30	
tert-Butyl alcohol (TBA)	285		"	250		114	70-130		0.877	30	
tert-Butylbenzene	43.6		"	50.0		87.2	80-127		1.27	30	
Tetrachloroethylene	44.5		"	50.0		88.9	70-130		0.972	30	
Toluene	45.7		"	50.0		91.4	70-130		0.703	30	
trans-1,2-Dichloroethylene	51.8		"	50.0		104	70-130		0.309	30	
trans-1,3-Dichloropropylene	45.4		"	50.0		90.8	70-130		0.483	30	
Trichloroethylene	47.4		"	50.0		94.8	70-130		2.61	30	
Trichlorofluoromethane	59.2		"	50.0		118	40-160		0.406	30	
Vinyl Chloride	65.2		"	50.0		130	70-130		3.29	30	
Surrogate: 1,2-Dichloroethane-d4	51.6		"	50.0		103	77-125				
Surrogate: Toluene-d8	47.4		"	50.0		94.8	85-120				
Surrogate: p-Bromofluorobenzene	49.6		"	50.0		99.3	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
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Batch BE80189 - EPA 3550C

Blank (BE80189-BLK1)

Prepared: 05/03/2018 Analyzed: 05/04/2018

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
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Batch BE80189 - EPA 3550C

Blank (BE80189-BLK1)

Prepared: 05/03/2018 Analyzed: 05/04/2018

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	1.24		"	1.29		96.1	20-108				
Surrogate: Phenol-d5	1.21		"	1.27		95.4	23-114				
Surrogate: Nitrobenzene-d5	0.841		"	0.833		101	22-108				
Surrogate: 2-Fluorobiphenyl	0.684		"	0.830		82.4	21-113				
Surrogate: 2,4,6-Tribromophenol	1.39		"	1.31		107	19-110				
Surrogate: Terphenyl-d14	0.583		"	0.837		69.7	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 BE80189 - EPA 3550C											
LCS (BE80189-BS1)											
Prepared: 05/03/2018 Analyzed: 05/04/2018											
1,1-Biphenyl	0.640	0.0417	mg/kg wet	0.833		76.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.655	0.0833	"	0.833		78.6	21-131				
1,2,4-Trichlorobenzene	0.687	0.0417	"	0.833		82.4	10-140				
1,2-Dichlorobenzene	0.645	0.0417	"	0.833		77.4	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.200	0.0417	"	0.833		24.0	17-137				
1,3-Dichlorobenzene	0.643	0.0417	"	0.833		77.2	33-110				
1,4-Dichlorobenzene	0.608	0.0417	"	0.833		73.0	32-104				
2,3,4,6-Tetrachlorophenol	1.51	0.0833	"	0.833		182	30-130	High Bias			
2,4,5-Trichlorophenol	0.701	0.0417	"	0.833		84.1	27-118				
2,4,6-Trichlorophenol	0.698	0.0417	"	0.833		83.8	31-120				
2,4-Dichlorophenol	0.731	0.0417	"	0.833		87.7	20-127				
2,4-Dimethylphenol	0.724	0.0417	"	0.833		86.9	14-132				
2,4-Dinitrophenol	0.968	0.0833	"	0.833		116	10-171				
2,4-Dinitrotoluene	0.934	0.0417	"	0.833		112	34-131				
2,6-Dinitrotoluene	0.931	0.0417	"	0.833		112	31-128				
2-Chloronaphthalene	0.643	0.0417	"	0.833		77.2	31-117				
2-Chlorophenol	0.662	0.0417	"	0.833		79.4	33-113				
2-Methylnaphthalene	0.735	0.0417	"	0.833		88.2	12-138				
2-Methylphenol	0.694	0.0417	"	0.833		83.2	10-136				
2-Nitroaniline	0.844	0.0833	"	0.833		101	27-132				
2-Nitrophenol	0.856	0.0417	"	0.833		103	17-129				
3- & 4-Methylphenols	0.615	0.0417	"	0.833		73.8	29-103				
3,3-Dichlorobenzidine	0.686	0.0417	"	0.833		82.3	22-149				
3-Nitroaniline	0.709	0.0833	"	0.833		85.0	20-133				
4,6-Dinitro-2-methylphenol	1.01	0.0833	"	0.833		122	10-143				
4-Bromophenyl phenyl ether	0.686	0.0417	"	0.833		82.3	29-120				
4-Chloro-3-methylphenol	0.713	0.0417	"	0.833		85.6	24-129				
4-Chloroaniline	0.526	0.0417	"	0.833		63.2	10-132				
4-Chlorophenyl phenyl ether	0.656	0.0417	"	0.833		78.8	27-124				
4-Nitroaniline	0.775	0.0833	"	0.833		93.0	16-128				
4-Nitrophenol	0.666	0.0833	"	0.833		80.0	10-141				
Acenaphthene	0.607	0.0417	"	0.833		72.9	30-121				
Acenaphthylene	0.648	0.0417	"	0.833		77.7	30-115				
Acetophenone	0.624	0.0417	"	0.833		74.9	20-112				
Aniline	0.510	0.167	"	0.833		61.2	10-119				
Anthracene	0.672	0.0417	"	0.833		80.7	34-118				
Atrazine	0.700	0.0417	"	0.833		84.0	26-112				
Benzaldehyde	0.673	0.0417	"	0.833		80.8	21-100				
Benzo(a)anthracene	0.707	0.0417	"	0.833		84.8	32-122				
Benzo(a)pyrene	0.786	0.0417	"	0.833		94.3	29-133				
Benzo(b)fluoranthene	0.737	0.0417	"	0.833		88.4	25-133				
Benzo(g,h,i)perylene	0.713	0.0417	"	0.833		85.6	10-143				
Benzo(k)fluoranthene	0.707	0.0417	"	0.833		84.9	25-128				
Benzoic acid	0.461	0.0417	"	0.847		54.5	10-140				
Benzyl alcohol	0.642	0.0417	"	0.833		77.0	30-115				
Benzyl butyl phthalate	0.744	0.0417	"	0.833		89.3	26-126				
Bis(2-chloroethoxy)methane	0.672	0.0417	"	0.833		80.6	19-132				
Bis(2-chloroethyl)ether	0.638	0.0417	"	0.833		76.6	19-125				
Bis(2-chloroisopropyl)ether	0.710	0.0417	"	0.833		85.2	20-135				
Bis(2-ethylhexyl)phthalate	0.769	0.0417	"	0.833		92.3	10-155				
Caprolactam	0.715	0.0833	"	0.833		85.8	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80189 - EPA 3550C

LCS (BE80189-BS1)

Prepared: 05/03/2018 Analyzed: 05/04/2018

Carbazole	0.685	0.0417	mg/kg wet	0.833		82.2	35-123				
Chrysene	0.661	0.0417	"	0.833		79.4	32-123				
Dibenzo(a,h)anthracene	0.688	0.0417	"	0.833		82.6	10-136				
Dibenzofuran	0.633	0.0417	"	0.833		76.0	29-121				
Diethyl phthalate	0.649	0.0417	"	0.833		77.9	34-116				
Dimethyl phthalate	0.652	0.0417	"	0.833		78.3	35-124				
Di-n-butyl phthalate	0.697	0.0417	"	0.833		83.6	31-116				
Di-n-octyl phthalate	0.811	0.0417	"	0.833		97.3	26-136				
Fluoranthene	0.683	0.0417	"	0.833		82.0	33-122				
Fluorene	0.657	0.0417	"	0.833		78.8	29-123				
Hexachlorobenzene	0.671	0.0417	"	0.833		80.5	21-124				
Hexachlorobutadiene	0.709	0.0417	"	0.833		85.0	10-149				
Hexachlorocyclopentadiene	0.617	0.0417	"	0.833		74.0	10-129				
Hexachloroethane	0.661	0.0417	"	0.833		79.3	28-108				
Indeno(1,2,3-cd)pyrene	0.695	0.0417	"	0.833		83.4	10-135				
Isophorone	0.685	0.0417	"	0.833		82.2	20-132				
Naphthalene	0.675	0.0417	"	0.833		81.0	23-124				
Nitrobenzene	0.732	0.0417	"	0.833		87.8	13-132				
N-Nitrosodimethylamine	0.723	0.0417	"	0.833		86.8	11-129				
N-nitroso-di-n-propylamine	0.612	0.0417	"	0.833		73.5	24-119				
N-Nitrosodiphenylamine	0.771	0.0417	"	0.833		92.6	22-152				
Pentachlorophenol	0.596	0.0417	"	0.833		71.6	10-139				
Phenanthrene	0.657	0.0417	"	0.833		78.8	33-123				
Phenol	0.651	0.0417	"	0.833		78.2	23-115				
Pyrene	0.652	0.0417	"	0.833		78.2	32-130				
Pyridine	0.604	0.167	"	0.833		72.5	10-91				
Surrogate: 2-Fluorophenol	1.07		"	1.29		83.0	20-108				
Surrogate: Phenol-d5	1.04		"	1.27		81.8	23-114				
Surrogate: Nitrobenzene-d5	0.746		"	0.833		89.6	22-108				
Surrogate: 2-Fluorobiphenyl	0.606		"	0.830		73.1	21-113				
Surrogate: 2,4,6-Tribromophenol	1.25		"	1.31		95.7	19-110				
Surrogate: Terphenyl-d14	0.499		"	0.837		59.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80189 - EPA 3550C											
Matrix Spike (BE80189-MS1)	*Source sample: 18E0064-08 (LSB-18 (1.5-3.5))						Prepared: 05/03/2018 Analyzed: 05/04/2018				
1,1-Biphenyl	2.29	0.0923	mg/kg dry	0.923	2.20	9.92	10-130	Low Bias			
1,2,4,5-Tetrachlorobenzene	0.623	0.184	"	0.923	ND	67.5	10-133				
1,2,4-Trichlorobenzene	0.621	0.0923	"	0.923	ND	67.3	10-127				
1,2-Dichlorobenzene	0.630	0.0923	"	0.923	ND	68.2	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	3.94	0.0923	"	0.923	ND	427	10-144	High Bias			
1,3-Dichlorobenzene	0.625	0.0923	"	0.923	ND	67.8	11-111				
1,4-Dichlorobenzene	0.627	0.0923	"	0.923	ND	67.9	10-106				
2,3,4,6-Tetrachlorophenol	ND	0.184	"	0.923	ND		30-130	Low Bias			
2,4,5-Trichlorophenol	0.0974	0.0923	"	0.923	ND	10.6	10-127				
2,4,6-Trichlorophenol	ND	0.0923	"	0.923	ND		10-132	Low Bias			
2,4-Dichlorophenol	0.319	0.0923	"	0.923	ND	34.6	10-128				
2,4-Dimethylphenol	0.727	0.0923	"	0.923	0.111	66.8	10-137				
2,4-Dinitrophenol	ND	0.184	"	0.923	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.988	0.0923	"	0.923	ND	107	16-135				
2,6-Dinitrotoluene	0.935	0.0923	"	0.923	ND	101	18-131				
2-Chloronaphthalene	0.641	0.0923	"	0.923	ND	69.5	10-129				
2-Chlorophenol	0.500	0.0923	"	0.923	ND	54.2	15-116				
2-Methylnaphthalene	8.76	0.0923	"	0.923	11.5	NR	10-147	Low Bias			
2-Methylphenol	0.763	0.0923	"	0.923	0.0701	75.1	10-136				
2-Nitroaniline	0.931	0.184	"	0.923	ND	101	10-137				
2-Nitrophenol	0.345	0.0923	"	0.923	ND	37.4	10-129				
3- & 4-Methylphenols	0.911	0.0923	"	0.923	0.251	71.5	10-123				
3,3-Dichlorobenzidine	0.736	0.0923	"	0.923	ND	79.8	10-155				
3-Nitroaniline	0.899	0.184	"	0.923	ND	97.4	12-133				
4,6-Dinitro-2-methylphenol	ND	0.184	"	0.923	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.614	0.0923	"	0.923	ND	66.6	14-128				
4-Chloro-3-methylphenol	0.593	0.0923	"	0.923	ND	64.3	10-134				
4-Chloroaniline	0.450	0.0923	"	0.923	ND	48.7	10-145				
4-Chlorophenyl phenyl ether	0.652	0.0923	"	0.923	ND	70.6	14-130				
4-Nitroaniline	0.947	0.184	"	0.923	ND	103	10-147				
4-Nitrophenol	0.540	0.184	"	0.923	ND	58.6	10-137				
Acenaphthene	9.21	0.0923	"	0.923	11.8	NR	10-146	Low Bias			
Acenaphthylene	2.30	0.0923	"	0.923	2.08	23.9	10-134				
Acetophenone	0.646	0.0923	"	0.923	ND	70.0	10-116				
Aniline	0.354	0.370	"	0.923	ND	38.4	10-123				
Anthracene	20.4	0.0923	"	0.923	26.9	NR	10-142	Low Bias			
Atrazine	0.584	0.0923	"	0.923	ND	63.3	19-115				
Benzaldehyde	0.803	0.0923	"	0.923	ND	87.0	10-125				
Benzo(a)anthracene	27.5	0.0923	"	0.923	32.8	NR	10-158	Low Bias			
Benzo(a)pyrene	23.3	0.0923	"	0.923	26.1	NR	10-180	Low Bias			
Benzo(b)fluoranthene	24.7	0.0923	"	0.923	31.3	NR	10-200	Low Bias			
Benzo(g,h,i)perylene	13.6	0.0923	"	0.923	16.2	NR	10-138	Low Bias			
Benzo(k)fluoranthene	11.3	0.0923	"	0.923	10.4	102	10-197				
Benzoic acid	ND	0.0923	"	0.937	ND		10-166	Low Bias			
Benzyl alcohol	0.669	0.0923	"	0.923	ND	72.5	12-124				
Benzyl butyl phthalate	0.810	0.0923	"	0.923	0.117	75.0	10-154				
Bis(2-chloroethoxy)methane	0.610	0.0923	"	0.923	ND	66.1	10-132				
Bis(2-chloroethyl)ether	0.684	0.0923	"	0.923	ND	74.1	10-119				
Bis(2-chloroisopropyl)ether	0.748	0.0923	"	0.923	ND	81.0	10-139				
Bis(2-ethylhexyl)phthalate	0.644	0.0923	"	0.923	ND	69.8	10-167				
Caprolactam	0.611	0.184	"	0.923	ND	66.2	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80189 - EPA 3550C

Matrix Spike (BE80189-MS1) *Source sample: 18E0064-08 (LSB-18 (1.5-3.5)) Prepared: 05/03/2018 Analyzed: 05/04/2018

Carbazole	11.7	0.0923	mg/kg dry	0.923	14.7	NR	10-167	Low Bias			
Chrysene	24.5	0.0923	"	0.923	30.2	NR	10-156	Low Bias			
Dibenzo(a,h)anthracene	7.36	0.0923	"	0.923	8.22	NR	10-137	Low Bias			
Dibenzofuran	12.9	0.0923	"	0.923	17.1	NR	10-147	Low Bias			
Diethyl phthalate	0.639	0.0923	"	0.923	ND	69.2	20-120				
Dimethyl phthalate	0.626	0.0923	"	0.923	ND	67.8	18-131				
Di-n-butyl phthalate	0.689	0.0923	"	0.923	ND	74.6	10-137				
Di-n-octyl phthalate	0.693	0.0923	"	0.923	ND	75.1	10-180				
Fluoranthene	59.1	0.0923	"	0.923	64.9	NR	10-160	Low Bias			
Fluorene	16.3	0.0923	"	0.923	21.9	NR	10-157	Low Bias			
Hexachlorobenzene	0.653	0.0923	"	0.923	ND	70.7	10-137				
Hexachlorobutadiene	0.616	0.0923	"	0.923	ND	66.8	10-132				
Hexachlorocyclopentadiene	0.132	0.0923	"	0.923	ND	14.3	10-106				
Hexachloroethane	0.677	0.0923	"	0.923	ND	73.4	10-110				
Indeno(1,2,3-cd)pyrene	13.4	0.0923	"	0.923	16.1	NR	10-144	Low Bias			
Isophorone	0.614	0.0923	"	0.923	ND	66.6	10-132				
Naphthalene	26.9	0.0923	"	0.923	34.6	NR	10-141	Low Bias			
Nitrobenzene	0.669	0.0923	"	0.923	ND	72.5	10-131				
N-Nitrosodimethylamine	0.677	0.0923	"	0.923	ND	73.4	10-126				
N-nitroso-di-n-propylamine	0.639	0.0923	"	0.923	ND	69.3	10-125				
N-Nitrosodiphenylamine	3.35	0.0923	"	0.923	ND	363	10-177	High Bias			
Pentachlorophenol	ND	0.0923	"	0.923	ND		10-153	Low Bias			
Phenanthrene	64.8	0.0923	"	0.923	70.0	NR	10-148	Low Bias			
Phenol	1.26	0.0923	"	0.923	0.421	91.2	10-126				
Pyrene	47.1	0.0923	"	0.923	54.9	NR	10-165	Low Bias			
Pyridine	0.549	0.370	"	0.923	ND	59.5	10-83				
Surrogate: 2-Fluorophenol	0.707		"	1.43		49.6	20-108				
Surrogate: Phenol-d5	1.03		"	1.41		73.0	23-114				
Surrogate: Nitrobenzene-d5	0.686		"	0.923		74.4	22-108				
Surrogate: 2-Fluorobiphenyl	0.577		"	0.919		62.7	21-113				
Surrogate: 2,4,6-Tribromophenol	0.0627		"	1.45		4.34	19-110				
Surrogate: Terphenyl-d14	0.515		"	0.926		55.6	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80189 - EPA 3550C											
Matrix Spike Dup (BE80189-MSD1)	*Source sample: 18E0064-08 (LSB-18 (1.5-3.5))						Prepared: 05/03/2018 Analyzed: 05/04/2018				
1,1-Biphenyl	2.85	0.0923	mg/kg dry	0.923	2.20	70.0	10-130		21.6	30	
1,2,4,5-Tetrachlorobenzene	0.619	0.184	"	0.923	ND	67.0	10-133		0.713	30	
1,2,4-Trichlorobenzene	0.579	0.0923	"	0.923	ND	62.8	10-127		6.89	30	
1,2-Dichlorobenzene	0.577	0.0923	"	0.923	ND	62.5	14-111		8.81	30	
1,2-Diphenylhydrazine (as Azobenzene)	4.89	0.0923	"	0.923	ND	530	10-144	High Bias	21.4	30	
1,3-Dichlorobenzene	0.551	0.0923	"	0.923	ND	59.7	11-111		12.7	30	
1,4-Dichlorobenzene	0.551	0.0923	"	0.923	ND	59.7	10-106		12.9	30	
2,3,4,6-Tetrachlorophenol	ND	0.184	"	0.923	ND		30-130	Low Bias		30	
2,4,5-Trichlorophenol	0.145	0.0923	"	0.923	ND	15.7	10-127		39.0	30	Non-dir.
2,4,6-Trichlorophenol	0.0465	0.0923	"	0.923	ND	5.04	10-132	Low Bias		30	
2,4-Dichlorophenol	0.373	0.0923	"	0.923	ND	40.4	10-128		15.6	30	
2,4-Dimethylphenol	0.720	0.0923	"	0.923	0.111	66.0	10-137		1.02	30	
2,4-Dinitrophenol	ND	0.184	"	0.923	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.942	0.0923	"	0.923	ND	102	16-135		4.82	30	
2,6-Dinitrotoluene	1.02	0.0923	"	0.923	ND	110	18-131		8.40	30	
2-Chloronaphthalene	0.627	0.0923	"	0.923	ND	68.0	10-129		2.21	30	
2-Chlorophenol	0.524	0.0923	"	0.923	ND	56.8	15-116		4.76	30	
2-Methylnaphthalene	11.8	0.0923	"	0.923	11.5	27.8	10-147		29.2	30	
2-Methylphenol	0.758	0.0923	"	0.923	0.0701	74.6	10-136		0.679	30	
2-Nitroaniline	0.957	0.184	"	0.923	ND	104	10-137		2.81	30	
2-Nitrophenol	0.405	0.0923	"	0.923	ND	43.9	10-129		16.1	30	
3- & 4-Methylphenols	0.923	0.0923	"	0.923	0.251	72.9	10-123		1.37	30	
3,3-Dichlorobenzidine	0.776	0.0923	"	0.923	ND	84.1	10-155		5.27	30	
3-Nitroaniline	0.860	0.184	"	0.923	ND	93.2	12-133		4.45	30	
4,6-Dinitro-2-methylphenol	ND	0.184	"	0.923	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.606	0.0923	"	0.923	ND	65.7	14-128		1.33	30	
4-Chloro-3-methylphenol	0.627	0.0923	"	0.923	ND	67.9	10-134		5.44	30	
4-Chloroaniline	0.414	0.0923	"	0.923	ND	44.9	10-145		8.21	30	
4-Chlorophenyl phenyl ether	0.661	0.0923	"	0.923	ND	71.6	14-130		1.35	30	
4-Nitroaniline	0.991	0.184	"	0.923	ND	107	10-147		4.50	30	
4-Nitrophenol	0.720	0.184	"	0.923	ND	78.0	10-137		28.5	30	
Acenaphthene	12.1	0.0923	"	0.923	11.8	38.7	10-146		27.4	30	
Acenaphthylene	2.74	0.0923	"	0.923	2.08	71.8	10-134		17.5	30	
Acetophenone	0.606	0.0923	"	0.923	ND	65.7	10-116		6.37	30	
Aniline	0.299	0.370	"	0.923	ND	32.4	10-123		16.9	30	
Anthracene	26.2	0.0923	"	0.923	26.9	NR	10-142	Low Bias	24.8	30	
Atrazine	0.593	0.0923	"	0.923	ND	64.2	19-115		1.51	30	
Benzaldehyde	0.767	0.0923	"	0.923	ND	83.1	10-125		4.61	30	
Benzo(a)anthracene	32.2	0.0923	"	0.923	32.8	NR	10-158	Low Bias	15.7	30	
Benzo(a)pyrene	26.7	0.0923	"	0.923	26.1	65.6	10-180		13.8	30	
Benzo(b)fluoranthene	34.1	0.0923	"	0.923	31.3	302	10-200	High Bias	31.8	30	Non-dir.
Benzo(g,h,i)perylene	14.8	0.0923	"	0.923	16.2	NR	10-138	Low Bias	8.53	30	
Benzo(k)fluoranthene	13.5	0.0923	"	0.923	10.4	343	10-197	High Bias	17.9	30	
Benzoic acid	ND	0.0923	"	0.937	ND		10-166	Low Bias		30	
Benzyl alcohol	0.635	0.0923	"	0.923	ND	68.8	12-124		5.21	30	
Benzyl butyl phthalate	0.920	0.0923	"	0.923	0.117	87.0	10-154		12.7	30	
Bis(2-chloroethoxy)methane	0.552	0.0923	"	0.923	ND	59.8	10-132		9.91	30	
Bis(2-chloroethyl)ether	0.622	0.0923	"	0.923	ND	67.4	10-119		9.38	30	
Bis(2-chloroisopropyl)ether	0.694	0.0923	"	0.923	ND	75.2	10-139		7.48	30	
Bis(2-ethylhexyl)phthalate	0.692	0.0923	"	0.923	ND	75.0	10-167		7.19	30	
Caprolactam	0.643	0.184	"	0.923	ND	69.7	10-132		5.06	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 BE80189 - EPA 3550C											
Matrix Spike Dup (BE80189-MSD1)		*Source sample: 18E0064-08 (LSB-18 (1.5-3.5))					Prepared: 05/03/2018 Analyzed: 05/04/2018				
Carbazole	15.4	0.0923	mg/kg dry	0.923	14.7	68.0	10-167		26.9	30	
Chrysene	28.9	0.0923	"	0.923	30.2	NR	10-156	Low Bias	16.3	30	
Dibenzo(a,h)anthracene	8.65	0.0923	"	0.923	8.22	47.2	10-137		16.1	30	
Dibenzofuran	17.8	0.0923	"	0.923	17.1	73.8	10-147		32.2	30	Non-dir.
Diethyl phthalate	0.664	0.0923	"	0.923	ND	71.9	20-120		3.85	30	
Dimethyl phthalate	0.645	0.0923	"	0.923	ND	69.9	18-131		3.02	30	
Di-n-butyl phthalate	0.684	0.0923	"	0.923	ND	74.1	10-137		0.753	30	
Di-n-octyl phthalate	0.709	0.0923	"	0.923	ND	76.8	10-180		2.21	30	
Fluoranthene	64.3	0.0923	"	0.923	64.9	NR	10-160	Low Bias	8.45	30	
Fluorene	22.5	0.0923	"	0.923	21.9	65.8	10-157		31.8	30	Non-dir.
Hexachlorobenzene	0.616	0.0923	"	0.923	ND	66.8	10-137		5.70	30	
Hexachlorobutadiene	0.567	0.0923	"	0.923	ND	61.4	10-132		8.36	30	
Hexachlorocyclopentadiene	0.0812	0.0923	"	0.923	ND	8.80	10-106	Low Bias	47.8	30	Non-dir.
Hexachloroethane	0.624	0.0923	"	0.923	ND	67.7	10-110		8.05	30	
Indeno(1,2,3-cd)pyrene	16.1	0.0923	"	0.923	16.1	0.960	10-144	Low Bias	18.1	30	
Isophorone	0.588	0.0923	"	0.923	ND	63.8	10-132		4.30	30	
Naphthalene	32.9	0.0923	"	0.923	34.6	NR	10-141	Low Bias	20.1	30	
Nitrobenzene	0.602	0.0923	"	0.923	ND	65.3	10-131		10.5	30	
N-Nitrosodimethylamine	0.582	0.0923	"	0.923	ND	63.0	10-126		15.1	30	
N-nitroso-di-n-propylamine	0.622	0.0923	"	0.923	ND	67.4	10-125		2.69	30	
N-Nitrosodiphenylamine	3.99	0.0923	"	0.923	ND	432	10-177	High Bias	17.5	30	
Pentachlorophenol	ND	0.0923	"	0.923	ND		10-153	Low Bias		30	
Phenanthrene	70.0	0.0923	"	0.923	70.0	6.40	10-148	Low Bias	7.72	30	
Phenol	1.19	0.0923	"	0.923	0.421	83.4	10-126		5.90	30	
Pyrene	52.8	0.0923	"	0.923	54.9	NR	10-165	Low Bias	11.3	30	
Pyridine	0.417	0.370	"	0.923	ND	45.2	10-83		27.3	30	
Surrogate: 2-Fluorophenol	0.672		"	1.43		47.1	20-108				
Surrogate: Phenol-d5	1.01		"	1.41		71.7	23-114				
Surrogate: Nitrobenzene-d5	0.630		"	0.923		68.3	22-108				
Surrogate: 2-Fluorobiphenyl	0.557		"	0.919		60.6	21-113				
Surrogate: 2,4,6-Tribromophenol	0.0701		"	1.45		4.85	19-110				
Surrogate: Terphenyl-d14	0.574		"	0.926		62.0	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
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Batch BE80114 - EPA 3550C

Blank (BE80114-BLK1)

Prepared: 05/02/2018 Analyzed: 05/03/2018

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	0.0662		"	0.0697		95.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0706		"	0.0673		105	30-150				

LCS (BE80114-BS1)

Prepared: 05/02/2018 Analyzed: 05/03/2018

4,4'-DDD	0.0347	0.000330	mg/kg wet	0.0333		104	40-140				
4,4'-DDE	0.0361	0.000330	"	0.0333		108	40-140				
4,4'-DDT	0.0347	0.000330	"	0.0333		104	40-140				
Aldrin	0.0372	0.000330	"	0.0333		112	40-140				
alpha-BHC	0.0398	0.000330	"	0.0333		119	40-140				
alpha-Chlordane	0.0325	0.000330	"	0.0333		97.5	40-140				
beta-BHC	0.0420	0.000330	"	0.0333		126	40-140				
delta-BHC	0.0412	0.000330	"	0.0333		123	40-140				
Dieldrin	0.0345	0.000330	"	0.0333		104	40-140				
Endosulfan I	0.0327	0.000330	"	0.0333		98.0	40-140				
Endosulfan II	0.0321	0.000330	"	0.0333		96.2	40-140				
Endosulfan sulfate	0.0340	0.000330	"	0.0333		102	40-140				
Endrin	0.0332	0.000330	"	0.0333		99.6	40-140				
Endrin aldehyde	0.0324	0.000330	"	0.0333		97.1	40-140				
Endrin ketone	0.0319	0.000330	"	0.0333		95.7	40-140				
gamma-BHC (Lindane)	0.0385	0.000330	"	0.0333		116	40-140				
gamma-Chlordane	0.0321	0.000330	"	0.0333		96.4	40-140				
Heptachlor	0.0340	0.000330	"	0.0333		102	40-140				
Heptachlor epoxide	0.0333	0.000330	"	0.0333		100	40-140				
Methoxychlor	0.0319	0.00165	"	0.0333		95.7	40-140				

Surrogate: Decachlorobiphenyl	0.0523		"	0.0697		75.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0655		"	0.0673		97.3	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8E0401 - BE80142

Performance Mix (Y8E0401-PEM1)

Prepared & Analyzed: 05/03/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.915		"	0.00			0-200				
4,4'-DDT	208		"	200		104	0-200				
Endrin	122		"	100		122	0-200				
Endrin aldehyde	1.40		"	0.00			0-200				
Endrin ketone	4.94		"	0.00			0-200				

Performance Mix (Y8E0401-PEM2)

Prepared & Analyzed: 05/03/2018

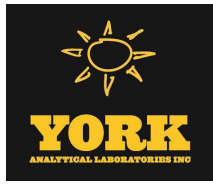
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.967		"	0.00			0-200				
4,4'-DDT	213		"	200		107	0-200				
Endrin	127		"	100		127	0-200				
Endrin aldehyde	1.37		"	0.00			0-200				
Endrin ketone	4.89		"	0.00			0-200				

Batch Y8E0704 - BE80142

Performance Mix (Y8E0704-PEM1)

Prepared & Analyzed: 05/04/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.04		"	0.00			0-200				
4,4'-DDT	204		"	200		102	0-200				
Endrin	125		"	100		125	0-200				
Endrin aldehyde	1.04		"	0.00			0-200				
Endrin ketone	4.83		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8E0704 - BE80142

Performance Mix (Y8E0704-PEM2)

Prepared & Analyzed: 05/04/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200			
4,4'-DDE	1.11		"	0.00				0-200			
4,4'-DDT	233		"	200		116		0-200			
Endrin	147		"	100		147		0-200			
Endrin aldehyde	1.77		"	0.00				0-200			
Endrin ketone	5.63		"	0.00				0-200			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80114 - EPA 3550C

Blank (BE80114-BLK2)

Prepared: 05/02/2018 Analyzed: 05/03/2018

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	"										

<i>Surrogate: Tetrachloro-m-xylene</i>	0.0763		"	0.0673		113		30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0657		"	0.0697		94.3		30-120					

LCS (BE80114-BS2)

Prepared: 05/02/2018 Analyzed: 05/03/2018

Aroclor 1016	0.416	0.0167	mg/kg wet	0.333		125		40-130					
Aroclor 1260	0.396	0.0167	"	0.333		119		40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0737		"	0.0673		109		30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.0677		"	0.0697		97.1		30-120					



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80092 - EPA 3050B

Blank (BE80092-BLK1)

Prepared: 05/02/2018 Analyzed: 05/04/2018

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	3.73	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	16.1	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.50	"								

Duplicate (BE80092-DUP1)

*Source sample: 18E0064-01 (LSB-14 (16-18))

Prepared & Analyzed: 05/02/2018

Aluminum	9500	5.33	mg/kg dry		8180				14.9	35	
Antimony	ND	0.533	"		ND					35	
Arsenic	3.47	1.07	"		2.36				38.1	35	Non-dir.
Barium	249	1.07	"		186				29.0	35	
Beryllium	0.119	0.107	"		ND					35	
Cadmium	0.704	0.320	"		0.488				36.3	35	Non-dir.
Calcium	34900	5.33	"		28300				20.8	35	
Chromium	15.2	0.533	"		12.2				22.3	35	
Cobalt	9.74	0.533	"		8.42				14.5	35	
Copper	50.5	0.533	"		44.4				13.0	35	
Iron	21800	2.13	"		21100				3.23	35	
Lead	249	0.533	"		244				2.09	35	
Magnesium	4120	5.33	"		3560				14.4	35	
Manganese	294	0.533	"		254				14.8	35	
Nickel	15.0	0.533	"		13.0				14.3	35	
Potassium	1740	5.33	"		1500				14.4	35	
Selenium	ND	1.07	"		ND					35	
Silver	ND	0.533	"		ND					35	
Sodium	1110	10.7	"		1040				5.65	35	
Thallium	ND	1.07	"		ND					35	
Vanadium	36.4	1.07	"		28.7				23.6	35	
Zinc	203	1.60	"		160				24.0	35	



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

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

Batch BE80092 - EPA 3050B

Matrix Spike (BE80092-MS1)	*Source sample: 18E0064-01 (LSB-14 (16-18))						Prepared & Analyzed: 05/02/2018				
Aluminum	10000	5.33	mg/kg dry	213	8180	872	75-125	High Bias			
Antimony	12.6	0.533	"	26.7	ND	47.4	75-125	Low Bias			
Arsenic	225	1.07	"	213	2.36	104	75-125				
Barium	462	1.07	"	213	186	129	75-125	High Bias			
Beryllium	5.73	0.107	"	5.33	ND	107	75-125				
Cadmium	6.08	0.320	"	5.33	0.488	105	75-125				
Chromium	53.8	0.533	"	21.3	12.2	195	75-125	High Bias			
Cobalt	69.5	0.533	"	53.3	8.42	115	75-125				
Copper	78.8	0.533	"	26.7	44.4	129	75-125	High Bias			
Iron	23900	2.13	"	107	21100	NR	75-125	High Bias			
Lead	312	0.533	"	53.3	244	128	75-125	High Bias			
Magnesium	4170	5.33	"	107	3560	569	75-125	High Bias			
Manganese	346	0.533	"	53.3	254	173	75-125	High Bias			
Nickel	81.1	0.533	"	53.3	13.0	128	75-125	High Bias			
Potassium	2160	5.33	"	107	1500	615	75-125	High Bias			
Selenium	187	1.07	"	213	ND	87.7	75-125				
Silver	1.86	0.533	"	5.33	ND	35.0	75-125	Low Bias			
Sodium	1250	10.7	"	107	1040	192	75-125	High Bias			
Thallium	219	1.07	"	213	ND	103	75-125				
Vanadium	86.7	1.07	"	53.3	28.7	109	75-125				
Zinc	250	1.60	"	53.3	160	169	75-125	High Bias			

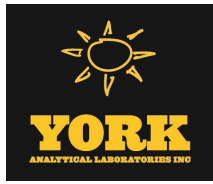
Reference (BE80092-SRM1)	Prepared & Analyzed: 05/02/2018					
Aluminum	7680	5.00	mg/kg wet	8040	95.6	39.4-160.5
Antimony	97.1	0.500	"	91.4	106	25.1-275.7
Arsenic	157	1.00	"	146	107	69.9-132.9
Barium	104	1.00	"	102	102	71.5-136.3
Beryllium	147	0.100	"	134	110	75.4-138.1
Cadmium	65.8	0.300	"	63.2	104	73.3-141.5
Calcium	6160	5.00	"	5930	104	73.7-136.1
Chromium	94.1	0.500	"	89.3	105	69.1-143.3
Cobalt	132	0.500	"	119	111	74.6-142
Copper	68.3	0.500	"	60.8	112	72.7-141.6
Iron	13000	2.00	"	14400	90.4	35.6-163.9
Lead	107	0.500	"	98.5	109	70.8-137.1
Magnesium	2690	5.00	"	2580	104	63.6-136.1
Manganese	427	0.500	"	370	115	75.7-134.3
Nickel	80.5	0.500	"	66.6	121	70.7-146.3
Potassium	2380	5.00	"	2340	102	59.8-140.2
Selenium	126	1.00	"	136	92.3	67.1-136.8
Silver	51.1	0.500	"	48.9	105	66.5-139.5
Sodium	342	10.0	"	318	108	40.6-159.8
Thallium	148	1.00	"	138	107	68-136.2
Vanadium	68.0	1.00	"	69.7	97.6	58.9-141.8
Zinc	210	1.50	"	177	119	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 BE80086 - EPA 7473 soil											
Blank (BE80086-BLK1)											
										Prepared & Analyzed: 05/02/2018	
Mercury	ND	0.0300	mg/kg wet								
Reference (BE80086-SRM1)											
										Prepared & Analyzed: 05/02/2018	
Mercury	11.127		mg/kg	13.8		80.6	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
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Batch BE80325 - % Solids Prep

Duplicate (BE80325-DUP1)	*Source sample: 18E0064-01 (LSB-14 (16-18))							Prepared & Analyzed: 05/07/2018			
% Solids	94.1	0.100	%		93.8				0.394	20	



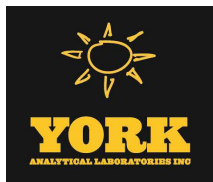
Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80080 - EPA SW846-3060											
Blank (BE80080-BLK1)											
Prepared & Analyzed: 05/02/2018											
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BE80080-SRM1)											
Prepared & Analyzed: 05/02/2018											
Chromium, Hexavalent	15.6		mg/L	76.9		20.3	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0064-01	LSB-14 (16-18)	40mL Vial with Stir Bar-Cool 4° C
18E0064-02	LSB-14 (0-2)	40mL Vial with Stir Bar-Cool 4° C
18E0064-03	LSB-12 (13-15)	40mL Vial with Stir Bar-Cool 4° C
18E0064-04	DUP-3	40mL Vial with Stir Bar-Cool 4° C
18E0064-05	LSB-12 (0-2)	40mL Vial with Stir Bar-Cool 4° C
18E0064-06	LSB-13 (0-2)	40mL Vial with Stir Bar-Cool 4° C
18E0064-07	LSB-13 (15-17)	40mL Vial with Stir Bar-Cool 4° C
18E0064-08	LSB-18 (1.5-3.5)	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
18E0064-09	LSB-18 (5.5-7.5)	40mL Vial with Stir Bar-Cool 4° C
18E0064-10	Trip Blank-5	40mL Clear Vial (pre-pres.) HCl; Cool to 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%).
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
S-08	The recovery of this surrogate was outside of QC limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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.

SUPP. PHASE II

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

Field Chain-of-Custody Record

YORK Project No.
18E0064

Page ___ of ___

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 Company: LAUGAN Address: 300 KIMBALL DR Phone: PARSIPANY NJ 0973 560 4900 Contact: AMANDA FORSBURG E-mail: a.forsburg@yorklab.com		Report To: Company: SAME Address: SAME Phone: SAME Contact: SAME E-mail: SAME		Invoice To: Company: SAME Address: SAME Phone: SAME Contact: SAME E-mail: SAME	
YOUR PROJECT NUMBER 100674401		YOUR PROJECT NAME COVENANT HOUSE		YOUR PO#:	

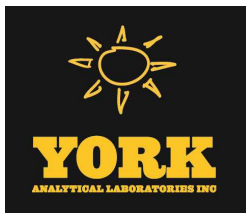
Report / EDD Type (circle selections) Summary Report <input type="checkbox"/> CT RCP <input type="checkbox"/> Standard Excel EDD QA Report <input type="checkbox"/> CT RCP DQA/DUE <input type="checkbox"/> EQUIS (Standard) NY ASP A Package <input checked="" type="checkbox"/> NJDEP Reduced <input type="checkbox"/> NYSDEC EQUIS NY ASP B Package <input checked="" type="checkbox"/> Deliverables <input type="checkbox"/> NJDEP SRP HazSite Other: NJDKQP		YORK Reg. Comp. Compared to the following Regulation(s) (please fill in) PART 375 NS, PA, EPA	
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Sample Identification	Sample Matrix	Matrix Codes	Samples From	Date/Time Sampled	Analysis Requested	Container Description
LSB-14 (16-18)	S	S - soil / solid	New York	5-1-18 8:30A	VOCS, SVOC, TAL METALS, Cr, PCBs, PESTICIDES	2 Boz (4) UGA
LSB-14 (0-2)	S	GW - groundwater	New Jersey	5-1-18 8:35A		
LSB-12 (13-15)	S	DW - drinking water	Connecticut	04-30-18 11:25P		
Dup-3	S	WW - wastewater	Pennsylvania	5-1-18 2:50A		
LSB-12 (0-2)	S	O - Oil	Other	4-30-18 11:17P		
LSB-13 (0-2)	S			5-1-18 1:20A		
LSB-13 (15-17)	S			5-1-18 1:20A		
LSB-18 (1.5-3.5)	S			5/1/18 0915		
LSB-18 (5.5-7.5)	S			5/1/18 0930		
TB-5	AG			5/1/18 --	VOCS	2 VOA

Comments: Firm 5day TAT

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

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Kurtz LANGAN	5/1/18 1520	TC Mohr	5/1/18 1849
Samples Received by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received at Lab	Temp. Received at Lab
			1.8



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

Report Date: 05/09/2018
Client Project ID: 100674401
York Project (SDG) No.: 18E0129

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

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 02, 2018 and listed below. The project was identified as your project: **100674401**.

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>
18E0129-01	LTW-7	Water	05/02/2018	05/02/2018
18E0129-02	LTW-6	Water	05/02/2018	05/02/2018
18E0129-03	LTW-5	Water	05/02/2018	05/02/2018
18E0129-04	LTW-4_050218A	Water	05/02/2018	05/02/2018
18E0129-05	DUP-5	Water	05/02/2018	05/02/2018
18E0129-06	FB-5	Water	05/02/2018	05/02/2018
18E0129-07	TB-7	Water	05/02/2018	05/02/2018
18E0129-08	LTW-4_050218B	Water	05/02/2018	05/02/2018
18E0129-09	TB-8	Water	05/02/2018	05/02/2018

General Notes for York Project (SDG) No.: 18E0129

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: 05/09/2018





Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 10:00 am	<u>Date Received</u> 05/02/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	RDS



Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 10:00 am

05/02/2018

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	05/07/2018 07:30	05/07/2018 16:02	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	RDS
67-64-1	Acetone	1.61	J	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS



Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 10:00 am

05/02/2018

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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS



Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 10:00 am

05/02/2018

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	05/07/2018 07:30	05/07/2018 16:02	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	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	05/07/2018 07:30	05/07/2018 16:02	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:02	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 16:02	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %			70-130						
2037-26-5	Surrogate: Toluene-d8	98.5 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	95.8 %			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	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH



Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 10:00 am

05/02/2018

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	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH



Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 10:00 am	<u>Date Received</u> 05/02/2018
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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
65-85-0	Benzoic acid	ND		ug/L	27.8	55.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
86-74-8	Carbazole	3.11	J	ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH



Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 10:00 am

05/02/2018

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	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:20	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	36.3 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	20.7 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	93.4 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	73.7 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	68.2 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	66.4 %			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	1.27		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR
120-12-7	Anthracene	0.822		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 14:10	SR
56-55-3	Benzo(a)anthracene	0.100		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 14:10	SR
218-01-9	Chrysene	0.0667		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR
206-44-0	Fluoranthene	1.02		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:10	SR



Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 10:00 am

05/02/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Naphthalene, Nitrobenzene, N-Nitrosodimethylamine, Pentachlorophenol, Phenanthrene, and Pyrene.

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Aldrin, alpha-BHC, alpha-Chlordane, beta-BHC, and Chlordane, total.



Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 10:00 am

05/02/2018

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	05/03/2018 09:40	05/03/2018 22:11	SA
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:11	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	59.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	83.0 %	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	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:06	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:06	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:06	LAB





Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 10:00 am	<u>Date Received</u> 05/02/2018
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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	05/03/2018 07:13	05/04/2018 15:06	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:06	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:06	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:06	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0571	1	EPA 8082A Certifications:	05/03/2018 07:13	05/04/2018 15:06	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	73.3 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	65.1 %	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	3.11		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7440-39-3	Barium	0.683		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7440-70-2	Calcium	267		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7440-47-3	Chromium	0.0246		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7440-48-4	* Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications:	05/04/2018 10:33	05/04/2018 18:29	KML
7440-50-8	Copper	0.0232		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7439-89-6	Iron	52.9		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7439-92-1	Lead	0.0953		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7439-95-4	Magnesium	37.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7439-96-5	Manganese	5.99		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7440-02-0	Nickel	0.0101		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7440-09-7	Potassium	55.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML



Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 10:00 am	<u>Date Received</u> 05/02/2018
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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	05/04/2018 10:33	05/04/2018 18:29	KML
7440-23-5	Sodium	1270		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7440-62-2	Vanadium	0.0135		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	KML
7440-66-6	Zinc	0.0419		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:29	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	05/08/2018 09:41	05/09/2018 13:41	KML
7440-39-3	Barium	0.416		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7440-70-2	Calcium	270		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7440-48-4	* Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7440-50-8	Copper	0.00845		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7439-89-6	Iron	0.326		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7439-95-4	Magnesium	40.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7439-96-5	Manganese	4.32		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7440-09-7	Potassium	62.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7440-23-5	Sodium	1220		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:41	KML



Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 10:00 am	<u>Date Received</u> 05/02/2018
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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	05/08/2018 09:41	05/09/2018 13:41	KML

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	05/04/2018 10:38	05/07/2018 12:40	BML
7440-38-2	Arsenic	0.0315		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:40	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:40	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:40	BML
7782-49-2	Selenium	0.00867		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:40	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:40	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	05/08/2018 09:43	05/09/2018 12:07	BML
7440-38-2	Arsenic	0.00126		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:07	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:07	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:07	BML
7782-49-2	Selenium	0.00671		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:07	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:07	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
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Sample Information

Client Sample ID: LTW-7

York Sample ID: 18E0129-01

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 10:00 am	<u>Date Received</u> 05/02/2018
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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	05/07/2018 12:18	05/07/2018 19:10	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	05/08/2018 09:58	05/08/2018 17:49	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	05/03/2018 10:00	05/03/2018 10:00	TJD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	0.0246		mg/L	0.0100	1	Calculation	05/09/2018 14:28	05/09/2018 17:08	PAM
Certifications:										



Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 12:50 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	RDS





Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 12:50 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 16:31	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	RDS
67-64-1	Acetone	3.65		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS



Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 12:50 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS



Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

York Project (SDG) No.

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18E0129

100674401

Water

May 2, 2018 12:50 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 16:31	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	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	05/07/2018 07:30	05/07/2018 16:31	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:31	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 16:31	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %			70-130						
2037-26-5	Surrogate: Toluene-d8	99.1 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	97.4 %			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	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH



Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

York Project (SDG) No.

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Water

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH



Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

York Project (SDG) No.

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100674401

Water

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05/02/2018

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	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
65-85-0	Benzoic acid	ND		ug/L	27.8	55.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH



Sample Information

Client Sample ID: LTW-6

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100674401

Water

May 2, 2018 12:50 pm

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 12:50	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	37.3 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	20.4 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	95.0 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	76.8 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	67.3 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	65.9 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.844		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
208-96-8	Acenaphthylene	0.144		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
120-12-7	Anthracene	0.344		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 14:41	SR
56-55-3	Benzo(a)anthracene	0.0667		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 14:41	SR
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
206-44-0	Fluoranthene	0.711		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR



Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 12:50 pm

05/02/2018

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	0.667		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 14:41	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 14:41	SR
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 14:41	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
91-20-3	Naphthalene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 14:41	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 14:41	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 14:41	SR
85-01-8	Phenanthrene	1.60		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	SR
129-00-0	Pyrene	0.456		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 14:41	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	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
309-00-2	Aldrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
319-84-6	alpha-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
319-85-7	beta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
57-74-9	Chlordane, total	ND		ug/L	0.0235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA



Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 12:50 pm

05/02/2018

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	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
60-57-1	Dieldrin	ND		ug/L	0.00235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
959-98-8	Endosulfan I	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
72-20-8	Endrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
76-44-8	Heptachlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
72-43-5	Methoxychlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
8001-35-2	Toxaphene	ND		ug/L	0.118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:19	SA
	Surrogate Recoveries	Result					Acceptance Range			
2051-24-3	Surrogate: Decachlorobiphenyl	65.0 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	39.4 %					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	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 20:43	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 20:43	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 20:43	LAB





Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 12:50 pm	<u>Date Received</u> 05/02/2018
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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	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 20:43	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 20:43	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 20:43	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 20:43	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0588	1	EPA 8082A Certifications:	05/03/2018 07:13	05/04/2018 20:43	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	44.1 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	66.5 %	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	0.959		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7440-39-3	Barium	0.336		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7440-70-2	Calcium	171		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7440-48-4	* Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications:	05/04/2018 10:33	05/04/2018 18:31	KML
7440-50-8	Copper	0.00727		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7439-89-6	Iron	3.09		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7439-92-1	Lead	0.0307		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7439-95-4	Magnesium	22.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7439-96-5	Manganese	0.934		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7440-09-7	Potassium	47.7		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML



Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 12:50 pm

05/02/2018

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	05/04/2018 10:33	05/04/2018 18:31	KML
7440-23-5	Sodium	968		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	KML
7440-66-6	Zinc	0.0191		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:31	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	05/08/2018 09:41	05/09/2018 13:43	KML
7440-39-3	Barium	0.273		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7440-70-2	Calcium	165		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7440-48-4	* Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7440-50-8	Copper	0.00688		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7439-89-6	Iron	0.0671		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7439-95-4	Magnesium	22.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7439-96-5	Manganese	0.730		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7440-09-7	Potassium	53.3		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7440-23-5	Sodium	982		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:43	KML



Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 12:50 pm

05/02/2018

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	05/08/2018 09:41	05/09/2018 13:43	KML

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	05/04/2018 10:38	05/07/2018 12:44	BML
7440-38-2	Arsenic	0.00303		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:44	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:44	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:44	BML
7782-49-2	Selenium	0.00511		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:44	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 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	05/08/2018 09:43	05/09/2018 12:11	BML
7440-38-2	Arsenic	0.00281		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:11	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:11	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:11	BML
7782-49-2	Selenium	0.00471		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:11	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:11	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
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Sample Information

Client Sample ID: LTW-6

York Sample ID: 18E0129-02

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 12:50 pm	<u>Date Received</u> 05/02/2018
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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	05/07/2018 12:18	05/07/2018 19:21	SY
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	05/08/2018 09:58	05/08/2018 18:00	SY
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	05/03/2018 10:00	05/03/2018 10:00	TJD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	05/09/2018 14:28	05/09/2018 17:08	PAM
							Certifications:			



Sample Information

Client Sample ID: LTW-5

York Sample ID: 18E0129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

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
72-54-8	4,4'-DDD	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
309-00-2	Aldrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
319-84-6	alpha-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
319-85-7	beta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
57-74-9	Chlordane, total	ND		ug/L	0.0235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
319-86-8	delta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
60-57-1	Dieldrin	ND		ug/L	0.00235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
959-98-8	Endosulfan I	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
72-20-8	Endrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
76-44-8	Heptachlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
72-43-5	Methoxychlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA



Sample Information

Client Sample ID: LTW-5

York Sample ID: 18E0129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

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
8001-35-2	Toxaphene	ND		ug/L	0.118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/04/2018 13:34	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	68.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	50.0 %	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	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 21:07	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 21:07	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 21:07	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 21:07	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 21:07	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 21:07	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 21:07	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0588	1	EPA 8082A Certifications:	05/03/2018 07:13	05/04/2018 21:07	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	36.6 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	65.1 %	30-150							

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	05/08/2018 09:41	05/09/2018 13:46	KML
7440-39-3	Barium	0.0787		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7440-70-2	Calcium	199		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML



Sample Information

Client Sample ID: LTW-5

York Sample ID: 18E0129-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

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
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7440-48-4	* Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7440-50-8	Copper	0.00893		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7439-89-6	Iron	0.0285		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7439-95-4	Magnesium	22.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7439-96-5	Manganese	0.0969		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7440-09-7	Potassium	45.6		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7440-23-5	Sodium	621		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:46	KML

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	0.00211		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:15	BML
7440-38-2	Arsenic	0.00697		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:15	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:15	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:15	BML
7782-49-2	Selenium	0.0262		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:15	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:15	BML



Sample Information

Client Sample ID: LTW-5

York Sample ID: 18E0129-03

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 3:00 pm	<u>Date Received</u> 05/02/2018
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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	05/08/2018 09:58	05/08/2018 18:11	SY
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	05/03/2018 10:00	05/03/2018 10:00	TJD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: LTW-4_050218A

York Sample ID: 18E0129-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 4:20 pm

05/02/2018

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
7429-90-5	Aluminum	3.27		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7440-39-3	Barium	0.0306		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7440-70-2	Calcium	175		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7440-48-4	* Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications:	05/08/2018 09:41	05/09/2018 13:48	KML
7440-50-8	Copper	0.0301		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7439-89-6	Iron	0.0488		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7439-92-1	Lead	0.00672		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7440-09-7	Potassium	22.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7440-23-5	Sodium	144		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7440-62-2	Vanadium	0.0243		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:48	KML

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	0.00176		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:19	BML
7440-38-2	Arsenic	0.00496		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:19	BML



Sample Information

Client Sample ID: LTW-4_050218A

York Sample ID: 18E0129-04

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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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
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:19	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:19	BML
7782-49-2	Selenium	0.00362		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:19	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:19	BML

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	05/08/2018 09:58	05/08/2018 18:23	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	05/03/2018 10:00	05/03/2018 10:00	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	0.0131		mg/L	0.0100	1	Calculation Certifications:	05/09/2018 14:28	05/09/2018 17:08	PAM



Sample Information

Client Sample ID: DUP-5

York Sample ID: 18E0129-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 4:20 pm

05/02/2018

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
7429-90-5	Aluminum	3.05		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7440-39-3	Barium	0.0275		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7440-70-2	Calcium	170		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7440-48-4	* Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications:	05/08/2018 09:41	05/09/2018 13:50	KML
7440-50-8	Copper	0.0296		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7439-89-6	Iron	0.0447		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7439-92-1	Lead	0.00677		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7440-09-7	Potassium	20.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7440-23-5	Sodium	111		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7440-62-2	Vanadium	0.0235		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:50	KML

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	0.00158		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:23	BML
7440-38-2	Arsenic	0.00510		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:23	BML



Sample Information

Client Sample ID: DUP-5

York Sample ID: 18E0129-05

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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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
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:23	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:23	BML
7782-49-2	Selenium	0.00386		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:23	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:23	BML

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	05/08/2018 09:58	05/08/2018 18:34	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	05/03/2018 10:00	05/03/2018 10:00	TJD



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	RDS



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 14:37	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	RDS
67-64-1	Acetone	2.07		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	RDS
110-82-7	Cyclohexane	0.220	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

Matrix

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18E0129

100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 14:37	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	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	05/07/2018 07:30	05/07/2018 14:37	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 14:37	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 14:37	RDS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			70-130						
2037-26-5	Surrogate: Toluene-d8	99.0 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			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	05/04/2018 08:17	05/06/2018 13:20	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

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100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

Matrix

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18E0129

100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:20	KH



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

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100674401

Water

May 2, 2018 1:30 pm

05/02/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Phenol, Pyridine, and Surrogate Recoveries.

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various polycyclic aromatic hydrocarbons and pesticides.



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:12	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:12	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:12	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:12	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	05/04/2018 08:17	05/06/2018 15:12	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:12	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:12	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:12	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:12	SR
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:12	SR
129-00-0	Pyrene	0.0513		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:12	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	05/03/2018 09:40	05/03/2018 22:26	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
5103-71-9	alpha-Chlordane	0.00572		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/03/2018 09:40	05/03/2018 22:26	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	97.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	95.2 %	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	05/03/2018 07:13	05/04/2018 15:30	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:30	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:30	LAB



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 1:30 pm	<u>Date Received</u> 05/02/2018
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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	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:30	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:30	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:30	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/03/2018 07:13	05/04/2018 15:30	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/03/2018 07:13	05/04/2018 15:30	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	95.0 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	110 %	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	05/04/2018 10:33	05/04/2018 18:34	KML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7440-48-4	* Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications:	05/04/2018 10:33	05/04/2018 18:34	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7439-89-6	Iron	ND		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	05/04/2018 10:33	05/04/2018 18:34	KML
7440-23-5	Sodium	0.625		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:34	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	05/08/2018 09:41	05/09/2018 13:53	KML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7440-48-4	* Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7439-89-6	Iron	0.0229		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7440-09-7	Potassium	0.0744		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7440-23-5	Sodium	0.581		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:41	05/09/2018 13:53	KML



Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	05/08/2018 09:41	05/09/2018 13:53	KML

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	05/04/2018 10:38	05/07/2018 12:47	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:47	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:47	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:47	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:47	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 12:47	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	05/08/2018 09:43	05/09/2018 12:26	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:26	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:26	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:26	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:26	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:43	05/09/2018 12:26	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
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Sample Information

Client Sample ID: FB-5

York Sample ID: 18E0129-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 1:30 pm

05/02/2018

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	05/07/2018 12:18	05/07/2018 19:33	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	05/08/2018 09:58	05/08/2018 18:45	SY
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

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	05/03/2018 10:00	05/03/2018 10:00	TJD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	05/09/2018 14:28	05/09/2018 17:08	PAM
Certifications:										



Sample Information

Client Sample ID: TB-7

York Sample ID: 18E0129-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	RDS



Sample Information

Client Sample ID: TB-7

York Sample ID: 18E0129-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 15:05	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	RDS
67-64-1	Acetone	1.07	J	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS



Sample Information

Client Sample ID: TB-7

York Sample ID: 18E0129-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

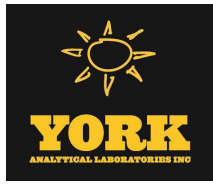
Volatiles, 8260 Comprehensive

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



Sample Information

Client Sample ID: TB-7

York Sample ID: 18E0129-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 15:05	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	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	05/07/2018 07:30	05/07/2018 15:05	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:05	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 15:05	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	70-130								
2037-26-5	Surrogate: Toluene-d8	99.7 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	70-130								



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 4:20 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 16:59	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
108-10-1	4-Methyl-2-pentanone	6.52		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
67-64-1	Acetone	22.6		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
71-43-2	Benzene	0.290	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
75-15-0	Carbon disulfide	0.880		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
67-66-3	Chloroform	12.1		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
74-87-3	Chloromethane	0.330	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	RDS



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
75-09-2	Methylene chloride	1.12	J	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	0.410	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	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	05/07/2018 07:30	05/07/2018 16:59	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 16:59	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 16:59	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			70-130						
2037-26-5	Surrogate: Toluene-d8	99.9 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	97.2 %			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	05/04/2018 08:17	05/06/2018 13:50	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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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
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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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
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
92-87-5	Benzidine	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
65-85-0	Benzoic acid	ND		ug/L	28.6	57.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
100-51-6	Benzyl alcohol	80.5		ug/L	14.3	28.6	5	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/07/2018 16:10	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.14	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.71	11.4	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 4:20 pm

05/02/2018

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
110-86-1	Pyridine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 13:50	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	44.1 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	24.1 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	95.0 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	73.2 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	71.6 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	62.5 %			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	0.400		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
208-96-8	Acenaphthylene	0.720		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
120-12-7	Anthracene	0.594		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
1912-24-9	Atrazine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:43	SR
56-55-3	Benzo(a)anthracene	0.823		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
50-32-8	Benzo(a)pyrene	0.777		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
205-99-2	Benzo(b)fluoranthene	0.697		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
191-24-2	Benzo(g,h,i)perylene	0.491		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
207-08-9	Benzo(k)fluoranthene	0.686		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:43	SR
218-01-9	Chrysene	0.754		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
53-70-3	Dibenzo(a,h)anthracene	0.137		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
206-44-0	Fluoranthene	2.87		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
86-73-7	Fluorene	0.709		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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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
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:43	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:43	SR
67-72-1	Hexachloroethane	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:43	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.411		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
91-20-3	Naphthalene	3.25		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
98-95-3	Nitrobenzene	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:43	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:43	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/04/2018 08:17	05/06/2018 15:43	SR
85-01-8	Phenanthrene	4.66		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	SR
129-00-0	Pyrene	1.84		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 08:17	05/06/2018 15:43	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	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
309-00-2	Aldrin	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
319-84-6	alpha-BHC	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
319-85-7	beta-BHC	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
57-74-9	Chlordane, total	ND		ug/L	0.0250	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
319-86-8	delta-BHC	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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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	0.00250	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
959-98-8	Endosulfan I	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
72-20-8	Endrin	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0125	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0125	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0125	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
76-44-8	Heptachlor	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
72-43-5	Methoxychlor	ND		ug/L	0.00500	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA
8001-35-2	Toxaphene	ND		ug/L	0.125	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/08/2018 09:42	05/08/2018 10:14	SA

Surrogate Recoveries

Result

Acceptance Range

2051-24-3	Surrogate: Decachlorobiphenyl	76.8 %	30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	35.8 %	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	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/07/2018 07:30	05/08/2018 17:04	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/07/2018 07:30	05/08/2018 17:04	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/07/2018 07:30	05/08/2018 17:04	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/07/2018 07:30	05/08/2018 17:04	LAB



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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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
12672-29-6	Aroclor 1248	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/07/2018 07:30	05/08/2018 17:04	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/07/2018 07:30	05/08/2018 17:04	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0625	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/07/2018 07:30	05/08/2018 17:04	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0625	1	EPA 8082A Certifications:	05/07/2018 07:30	05/08/2018 17:04	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	27.7 %	30-150							
2051-24-3	Surrogate: Decachlorobiphenyl	86.6 %	30-150							

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3.95		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7440-39-3	Barium	0.132		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7440-70-2	Calcium	165		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7440-47-3	Chromium	0.0131		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7440-48-4	* Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications:	05/04/2018 10:33	05/04/2018 18:40	KML
7440-50-8	Copper	0.0351		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7439-89-6	Iron	5.87		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7439-92-1	Lead	0.372		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7439-95-4	Magnesium	6.75		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7439-96-5	Manganese	0.245		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7440-09-7	Potassium	29.6		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML



Sample Information

Client Sample ID: LTW-4_050218B

York Sample ID: 18E0129-08

<u>York Project (SDG) No.</u> 18E0129	<u>Client Project ID</u> 100674401	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 2, 2018 4:20 pm	<u>Date Received</u> 05/02/2018
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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
7440-23-5	Sodium	250		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7440-62-2	Vanadium	0.0266		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML
7440-66-6	Zinc	0.135		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:33	05/04/2018 18:40	KML

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	0.00191		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 13:07	BML
7440-38-2	Arsenic	0.00923		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 13:07	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 13:07	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 13:07	BML
7782-49-2	Selenium	0.00405		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 13:07	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/04/2018 10:38	05/07/2018 13:07	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	05/07/2018 12:18	05/07/2018 19:44	SY



Sample Information

Client Sample ID: TB-8

York Sample ID: 18E0129-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	RDS





Sample Information

Client Sample ID: TB-8

York Sample ID: 18E0129-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

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



Sample Information

Client Sample ID: TB-8

York Sample ID: 18E0129-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS



Sample Information

Client Sample ID: TB-8

York Sample ID: 18E0129-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0129

100674401

Water

May 2, 2018 3:00 pm

05/02/2018

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	05/07/2018 07:30	05/07/2018 15:34	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	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	05/07/2018 07:30	05/07/2018 15:34	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/07/2018 07:30	05/07/2018 15:34	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/07/2018 07:30	05/07/2018 15:34	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	70-130								
2037-26-5	Surrogate: Toluene-d8	99.4 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	70-130								



Analytical Batch Summary

Batch ID: BE80142 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/03/18
18E0129-01	LTW-7	05/03/18
18E0129-02	LTW-6	05/03/18
18E0129-02	LTW-6	05/03/18
18E0129-03	LTW-5	05/03/18
18E0129-03	LTW-5	05/03/18
18E0129-06	FB-5	05/03/18
18E0129-06	FB-5	05/03/18
BE80142-BLK1	Blank	05/03/18
BE80142-BLK2	Blank	05/03/18
BE80142-BS1	LCS	05/03/18
BE80142-BS2	LCS	05/03/18
BE80142-BSD1	LCS Dup	05/03/18
BE80142-BSD2	LCS Dup	05/03/18

Batch ID: BE80163 **Preparation Method:** Analysis Preparation **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/03/18
18E0129-02	LTW-6	05/03/18
18E0129-03	LTW-5	05/03/18
18E0129-04	LTW-4_050218A	05/03/18
18E0129-05	DUP-5	05/03/18
18E0129-06	FB-5	05/03/18
BE80163-BLK1	Blank	05/03/18
BE80163-BS1	LCS	05/03/18

Batch ID: BE80227 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/04/18
18E0129-01RE1	LTW-7	05/04/18
18E0129-02	LTW-6	05/04/18
18E0129-06	FB-5	05/04/18
18E0129-08	LTW-4_050218B	05/04/18
18E0129-08RE1	LTW-4_050218B	05/04/18
BE80227-BLK1	Blank	05/04/18
BE80227-BLK2	Blank	05/04/18
BE80227-BS1	LCS	05/04/18
BE80227-BS2	LCS	05/04/18
BE80227-BSD1	LCS Dup	05/04/18

Batch ID: BE80244 **Preparation Method:** EPA 3015A **Prepared By:** SY



YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/04/18
18E0129-02	LTW-6	05/04/18
18E0129-06	FB-5	05/04/18
18E0129-08	LTW-4_050218B	05/04/18
BE80244-BLK1	Blank	05/04/18
BE80244-BS1	LCS	05/04/18
BE80244-DUP1	Duplicate	05/04/18
BE80244-MS1	Matrix Spike	05/04/18

Batch ID: BE80245 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/04/18
18E0129-02	LTW-6	05/04/18
18E0129-06	FB-5	05/04/18
18E0129-08	LTW-4_050218B	05/04/18
BE80245-BLK1	Blank	05/04/18
BE80245-BS1	LCS	05/04/18
BE80245-DUP1	Duplicate	05/04/18
BE80245-MS1	Matrix Spike	05/04/18

Batch ID: BE80298 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-08	LTW-4_050218B	05/08/18
18E0129-08	LTW-4_050218B	05/07/18
BE80298-BLK1	Blank	05/07/18
BE80298-BS1	LCS	05/07/18
BE80298-BSD1	LCS Dup	05/07/18

Batch ID: BE80308 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/07/18
18E0129-02	LTW-6	05/07/18
18E0129-06	FB-5	05/07/18
18E0129-07	TB-7	05/07/18
18E0129-08	LTW-4_050218B	05/07/18
18E0129-09	TB-8	05/07/18
BE80308-BLK1	Blank	05/07/18
BE80308-BS1	LCS	05/07/18
BE80308-BSD1	LCS Dup	05/07/18

Batch ID: BE80332 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/07/18



18E0129-02	LTW-6	05/07/18
18E0129-06	FB-5	05/07/18
18E0129-08	LTW-4_050218B	05/07/18
BE80332-BLK1	Blank	05/07/18
BE80332-SRM1	Reference	05/07/18

Batch ID: BE80397 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/08/18
18E0129-02	LTW-6	05/08/18
18E0129-03	LTW-5	05/08/18
18E0129-04	LTW-4_050218A	05/08/18
18E0129-05	DUP-5	05/08/18
18E0129-06	FB-5	05/08/18
BE80397-BLK1	Blank	05/08/18
BE80397-BS1	LCS	05/08/18

Batch ID: BE80398 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/08/18
18E0129-02	LTW-6	05/08/18
18E0129-03	LTW-5	05/08/18
18E0129-04	LTW-4_050218A	05/08/18
18E0129-05	DUP-5	05/08/18
18E0129-06	FB-5	05/08/18
BE80398-BLK1	Blank	05/08/18
BE80398-BS1	LCS	05/08/18

Batch ID: BE80406 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/08/18
18E0129-02	LTW-6	05/08/18
18E0129-03	LTW-5	05/08/18
18E0129-04	LTW-4_050218A	05/08/18
18E0129-05	DUP-5	05/08/18
18E0129-06	FB-5	05/08/18
BE80406-BLK1	Blank	05/08/18
BE80406-SRM1	Reference	05/08/18

Batch ID: BE80496 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0129-01	LTW-7	05/09/18
18E0129-02	LTW-6	05/09/18
18E0129-04	LTW-4_050218A	05/09/18
18E0129-06	FB-5	05/09/18





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
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Batch BE80308 - EPA 5030B

Blank (BE80308-BLK1)

Prepared & Analyzed: 05/07/2018

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
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Batch BE80308 - EPA 5030B

Blank (BE80308-BLK1)

Prepared & Analyzed: 05/07/2018

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	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.92</i>		<i>"</i>	<i>10.0</i>		<i>99.2</i>	<i>70-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-130</i>				

LCS (BE80308-BS1)

Prepared & Analyzed: 05/07/2018

1,1,1,2-Tetrachloroethane	12.4		ug/L	10.0		124	82-126			30	
1,1,1-Trichloroethane	11.4		"	10.0		114	70-130			20	
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.57		"	10.0		95.7	70-130			20	
1,1,2-Trichloroethane	9.30		"	10.0		93.0	70-130			20	
1,1-Dichloroethane	10.8		"	10.0		108	70-130			20	
1,1-Dichloroethylene	10.3		"	10.0		103	70-130			20	
1,1-Dichloropropylene	10.8		"	10.0		108	83-133			30	
1,2,3-Trichlorobenzene	9.94		"	10.0		99.4	70-130			20	
1,2,3-Trichloropropane	9.34		"	10.0		93.4	77-128			30	
1,2,4-Trichlorobenzene	9.86		"	10.0		98.6	70-130			20	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132			20	
1,2-Dibromo-3-chloropropane	9.70		"	10.0		97.0	40-160			20	
1,2-Dibromoethane	9.62		"	10.0		96.2	70-130			20	
1,2-Dichlorobenzene	10.1		"	10.0		101	70-130			20	
1,2-Dichloroethane	10.1		"	10.0		101	70-130			20	
1,2-Dichloropropane	10.2		"	10.0		102	70-130			20	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131			30	
1,3-Dichlorobenzene	10.9		"	10.0		109	70-130			20	
1,3-Dichloropropane	9.54		"	10.0		95.4	81-125			30	
1,4-Dichlorobenzene	10.0		"	10.0		100	70-130			20	
1,4-Dioxane	93.4		"	210		44.5	40-160			20	
2,2-Dichloropropane	11.3		"	10.0		113	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 BE80308 - EPA 5030B											
LCS (BE80308-BS1)											
Prepared & Analyzed: 05/07/2018											
2-Butanone	6.97		ug/L	10.0		69.7	40-160			20	
2-Chlorotoluene	11.0		"	10.0		110	79-130			30	
2-Hexanone	7.47		"	10.0		74.7	40-160			20	
4-Chlorotoluene	10.3		"	10.0		103	79-128			30	
4-Methyl-2-pentanone	8.12		"	10.0		81.2	40-160			20	
Acetone	5.98		"	10.0		59.8	40-160			20	
Acrolein	6.38		"	10.0		63.8	10-153			30	
Acrylonitrile	8.79		"	10.0		87.9	51-150			30	
Benzene	11.1		"	10.0		111	70-130			20	
Bromobenzene	9.90		"	10.0		99.0	78-129			30	
Bromochloromethane	10.4		"	10.0		104	70-130			20	
Bromodichloromethane	10.8		"	10.0		108	70-130			20	
Bromoform	11.5		"	10.0		115	70-130			20	
Bromomethane	9.50		"	10.0		95.0	40-160			20	
Carbon disulfide	11.0		"	10.0		110	40-160			20	
Carbon tetrachloride	12.8		"	10.0		128	70-130			20	
Chlorobenzene	10.6		"	10.0		106	70-130			20	
Chloroethane	11.3		"	10.0		113	40-160			20	
Chloroform	10.5		"	10.0		105	70-130			20	
Chloromethane	10.3		"	10.0		103	40-160			20	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130			20	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130			20	
Cyclohexane	10.6		"	10.0		106	70-130			20	
Dibromochloromethane	11.4		"	10.0		114	70-130			20	
Dibromomethane	9.45		"	10.0		94.5	72-134			30	
Dichlorodifluoromethane	11.6		"	10.0		116	40-160			20	
Ethyl Benzene	11.5		"	10.0		115	70-130			20	
Hexachlorobutadiene	9.35		"	10.0		93.5	67-146			30	
Isopropylbenzene	11.0		"	10.0		110	70-130			20	
Methyl acetate	9.30		"	10.0		93.0	70-130			20	
Methyl tert-butyl ether (MTBE)	9.34		"	10.0		93.4	70-130			20	
Methylcyclohexane	10.0		"	10.0		100	70-130			20	
Methylene chloride	10.0		"	10.0		100	70-130			20	
n-Butylbenzene	10.7		"	10.0		107	79-132			30	
n-Propylbenzene	11.2		"	10.0		112	78-133			30	
o-Xylene	10.9		"	10.0		109	70-130			20	
p- & m- Xylenes	22.8		"	20.0		114	70-130			20	
p-Isopropyltoluene	11.3		"	10.0		113	81-136			30	
sec-Butylbenzene	11.4		"	10.0		114	79-137			30	
Styrene	10.6		"	10.0		106	70-130			20	
tert-Butyl alcohol (TBA)	29.4		"	50.0		58.9	25-162			30	
tert-Butylbenzene	10.6		"	10.0		106	77-138			30	
Tetrachloroethylene	8.99		"	10.0		89.9	70-130			20	
Toluene	11.1		"	10.0		111	70-130			20	
trans-1,2-Dichloroethylene	10.5		"	10.0		105	70-130			20	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130			20	
Trichloroethylene	10.2		"	10.0		102	70-130			20	
Trichlorofluoromethane	11.4		"	10.0		114	40-160			20	
Vinyl Chloride	11.3		"	10.0		113	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	9.68		"	10.0		96.8	70-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	70-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* %REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80308 - EPA 5030B										
LCS (BE80308-BS1)										Prepared & Analyzed: 05/07/2018
Surrogate: <i>p</i> -Bromofluorobenzene	9.77		ug/L	10.0		97.7	70-130			
LCS Dup (BE80308-BS1)										Prepared & Analyzed: 05/07/2018
1,1,1,2-Tetrachloroethane	12.8		ug/L	10.0	128	82-126	High Bias	3.17	30	
1,1,1-Trichloroethane	11.4		"	10.0	114	70-130		0.263	20	
1,1,2,2-Tetrachloroethane	11.2		"	10.0	112	70-130		10.8	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.39		"	10.0	93.9	70-130		1.90	20	
1,1,2-Trichloroethane	9.99		"	10.0	99.9	70-130		7.15	20	
1,1-Dichloroethane	11.0		"	10.0	110	70-130		2.20	20	
1,1-Dichloroethylene	10.3		"	10.0	103	70-130		0.583	20	
1,1-Dichloropropylene	10.8		"	10.0	108	83-133		0.185	30	
1,2,3-Trichlorobenzene	10.6		"	10.0	106	70-130		6.80	20	
1,2,3-Trichloropropane	10.5		"	10.0	105	77-128		11.8	30	
1,2,4-Trichlorobenzene	10.7		"	10.0	107	70-130		7.80	20	
1,2,4-Trimethylbenzene	11.2		"	10.0	112	82-132		2.44	20	
1,2-Dibromo-3-chloropropane	11.5		"	10.0	115	40-160		16.9	20	
1,2-Dibromoethane	10.4		"	10.0	104	70-130		7.98	20	
1,2-Dichlorobenzene	10.7		"	10.0	107	70-130		5.28	20	
1,2-Dichloroethane	10.6		"	10.0	106	70-130		5.60	20	
1,2-Dichloropropane	10.4		"	10.0	104	70-130		2.52	20	
1,3,5-Trimethylbenzene	11.0		"	10.0	110	80-131		1.93	30	
1,3-Dichlorobenzene	11.2		"	10.0	112	70-130		2.72	20	
1,3-Dichloropropane	10.2		"	10.0	102	81-125		6.98	30	
1,4-Dichlorobenzene	10.9		"	10.0	109	70-130		8.79	20	
1,4-Dioxane	147		"	210	70.2	40-160		44.9	20	Non-dir.
2,2-Dichloropropane	11.3		"	10.0	113	56-150		0.531	30	
2-Butanone	8.52		"	10.0	85.2	40-160		20.0	20	
2-Chlorotoluene	11.1		"	10.0	111	79-130		1.36	30	
2-Hexanone	9.02		"	10.0	90.2	40-160		18.8	20	
4-Chlorotoluene	10.6		"	10.0	106	79-128		2.68	30	
4-Methyl-2-pentanone	9.42		"	10.0	94.2	40-160		14.8	20	
Acetone	7.34		"	10.0	73.4	40-160		20.4	20	Non-dir.
Acrolein	7.12		"	10.0	71.2	10-153		11.0	30	
Acrylonitrile	9.84		"	10.0	98.4	51-150		11.3	30	
Benzene	11.3		"	10.0	113	70-130		1.79	20	
Bromobenzene	10.4		"	10.0	104	78-129		4.54	30	
Bromochloromethane	11.0		"	10.0	110	70-130		5.42	20	
Bromodichloromethane	11.2		"	10.0	112	70-130		3.64	20	
Bromoform	12.8		"	10.0	128	70-130		10.5	20	
Bromomethane	9.55		"	10.0	95.5	40-160		0.525	20	
Carbon disulfide	10.9		"	10.0	109	40-160		0.917	20	
Carbon tetrachloride	12.8		"	10.0	128	70-130		0.156	20	
Chlorobenzene	10.7		"	10.0	107	70-130		1.03	20	
Chloroethane	11.1		"	10.0	111	40-160		1.87	20	
Chloroform	10.8		"	10.0	108	70-130		3.19	20	
Chloromethane	10.1		"	10.0	101	40-160		1.76	20	
cis-1,2-Dichloroethylene	10.8		"	10.0	108	70-130		2.15	20	
cis-1,3-Dichloropropylene	10.8		"	10.0	108	70-130		3.02	20	
Cyclohexane	10.6		"	10.0	106	70-130		0.188	20	
Dibromochloromethane	12.1		"	10.0	121	70-130		6.30	20	
Dibromomethane	10.1		"	10.0	101	72-134		6.65	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
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Batch BE80308 - EPA 5030B

LCS Dup (BE80308-BSD1)

Prepared & Analyzed: 05/07/2018

Dichlorodifluoromethane	11.5		ug/L	10.0		115	40-160		0.780	20	
Ethyl Benzene	11.5		"	10.0		115	70-130		0.174	20	
Hexachlorobutadiene	9.60		"	10.0		96.0	67-146		2.64	30	
Isopropylbenzene	11.1		"	10.0		111	70-130		1.09	20	
Methyl acetate	10.5		"	10.0		105	70-130		12.3	20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130		13.0	20	
Methylcyclohexane	9.90		"	10.0		99.0	70-130		1.30	20	
Methylene chloride	10.4		"	10.0		104	70-130		4.02	20	
n-Butylbenzene	10.9		"	10.0		109	79-132		1.76	30	
n-Propylbenzene	11.3		"	10.0		113	78-133		1.42	30	
o-Xylene	11.0		"	10.0		110	70-130		1.46	20	
p- & m- Xylenes	23.0		"	20.0		115	70-130		0.698	20	
p-Isopropyltoluene	11.5		"	10.0		115	81-136		1.40	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		0.784	30	
Styrene	10.8		"	10.0		108	70-130		2.24	20	
tert-Butyl alcohol (TBA)	45.1		"	50.0		90.1	25-162		41.9	30	Non-dir.
tert-Butylbenzene	10.8		"	10.0		108	77-138		1.49	30	
Tetrachloroethylene	8.85		"	10.0		88.5	70-130		1.57	20	
Toluene	11.2		"	10.0		112	70-130		0.629	20	
trans-1,2-Dichloroethylene	10.5		"	10.0		105	70-130		0.0949	20	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	70-130		5.95	20	
Trichloroethylene	10.1		"	10.0		101	70-130		0.887	20	
Trichlorofluoromethane	11.2		"	10.0		112	40-160		1.59	20	
Vinyl Chloride	11.1		"	10.0		111	70-130		1.70	20	
Surrogate: 1,2-Dichloroethane-d4	9.98		"	10.0		99.8	70-130				
Surrogate: Toluene-d8	9.85		"	10.0		98.5	70-130				
Surrogate: p-Bromofluorobenzene	9.84		"	10.0		98.4	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
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Batch BE80227 - EPA 3510C

Blank (BE80227-BLK1)

Prepared & Analyzed: 05/04/2018

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
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Batch BE80227 - EPA 3510C

Blank (BE80227-BLK1)

Prepared & Analyzed: 05/04/2018

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: 2-Fluorophenol	15.9		"	38.6		41.1	19.7-63.1				
Surrogate: Phenol-d5	8.15		"	38.1		21.4	10.1-41.7				
Surrogate: Nitrobenzene-d5	25.4		"	25.0		101	50.2-113				
Surrogate: 2-Fluorobiphenyl	19.5		"	24.9		78.4	39.9-105				
Surrogate: 2,4,6-Tribromophenol	26.2		"	39.2		67.0	39.3-151				
Surrogate: Terphenyl-d14	18.4		"	25.1		73.5	30.7-106				

Blank (BE80227-BLK2)

Prepared & Analyzed: 05/04/2018

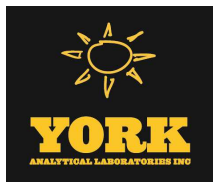
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	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 BE80227 - EPA 3510C											
LCS (BE80227-BS1)											
Prepared & Analyzed: 05/04/2018											
1,1-Biphenyl	22.2	5.00	ug/L	25.0		88.8	33-95				
1,2,4,5-Tetrachlorobenzene	26.2	5.00	"	25.0		105	26-120				
1,2,4-Trichlorobenzene	23.0	5.00	"	25.0		91.8	20-118				
1,2-Dichlorobenzene	20.6	5.00	"	25.0		82.2	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	16.4	5.00	"	25.0		65.4	16-141				
1,3-Dichlorobenzene	19.9	5.00	"	25.0		79.5	23-117				
1,4-Dichlorobenzene	20.4	5.00	"	25.0		81.8	30-105				
2,3,4,6-Tetrachlorophenol	29.0	5.00	"	25.0		116	30-130				
2,4,5-Trichlorophenol	27.5	5.00	"	25.0		110	32-114				
2,4,6-Trichlorophenol	26.3	5.00	"	25.0		105	35-118				
2,4-Dichlorophenol	26.0	5.00	"	25.0		104	25-116				
2,4-Dimethylphenol	22.8	5.00	"	25.0		91.3	15-116				
2,4-Dinitrophenol	29.5	5.00	"	25.0		118	10-170				
2,4-Dinitrotoluene	30.3	5.00	"	25.0		121	41-128				
2,6-Dinitrotoluene	29.8	5.00	"	25.0		119	45-116	High Bias			
2-Chloronaphthalene	21.0	5.00	"	25.0		84.1	33-112				
2-Chlorophenol	20.3	5.00	"	25.0		81.0	15-120				
2-Methylnaphthalene	25.8	5.00	"	25.0		103	24-118				
2-Methylphenol	17.0	5.00	"	25.0		68.0	10-110				
2-Nitroaniline	22.1	5.00	"	25.0		88.5	34-129				
2-Nitrophenol	31.1	5.00	"	25.0		124	28-118	High Bias			
3- & 4-Methylphenols	13.4	5.00	"	25.0		53.7	10-107				
3,3-Dichlorobenzidine	26.7	5.00	"	25.0		107	15-187				
3-Nitroaniline	23.1	5.00	"	25.0		92.5	24-134				
4,6-Dinitro-2-methylphenol	18.7	5.00	"	25.0		75.0	10-153				
4-Bromophenyl phenyl ether	17.5	5.00	"	25.0		70.0	34-120				
4-Chloro-3-methylphenol	27.8	5.00	"	25.0		111	20-120				
4-Chloroaniline	17.1	5.00	"	25.0		68.5	10-147				
4-Chlorophenyl phenyl ether	26.9	5.00	"	25.0		108	27-121				
4-Nitroaniline	21.7	5.00	"	25.0		86.6	13-134				
4-Nitrophenol	15.0	5.00	"	25.0		60.2	10-131				
Acetophenone	20.3	5.00	"	25.0		81.2	25-110				
Aniline	10.2	5.00	"	25.0		40.7	10-117				
Benzaldehyde	22.9	5.00	"	25.0		91.8	29-117				
Benzoic acid	2.60	50.0	"	25.4		10.2	30-130	Low Bias			
Benzyl alcohol	14.1	5.00	"	25.0		56.2	10-117				
Benzyl butyl phthalate	27.0	5.00	"	25.0		108	29-133				
Bis(2-chloroethoxy)methane	24.1	5.00	"	25.0		96.4	10-154				
Bis(2-chloroethyl)ether	19.5	5.00	"	25.0		78.1	17-125				
Bis(2-chloroisopropyl)ether	18.0	5.00	"	25.0		72.0	10-139				
Caprolactam	3.77	5.00	"	25.0		15.1	10-137				
Carbazole	24.4	5.00	"	25.0		97.5	42-126				
Dibenzofuran	25.5	5.00	"	25.0		102	36-113				
Diethyl phthalate	27.4	5.00	"	25.0		110	38-115				
Dimethyl phthalate	27.2	5.00	"	25.0		109	38-129				
Di-n-butyl phthalate	26.7	5.00	"	25.0		107	31-120				
Di-n-octyl phthalate	28.8	5.00	"	25.0		115	21-149				
Hexachlorocyclopentadiene	12.8	10.0	"	25.0		51.2	10-130				
Isophorone	27.4	5.00	"	25.0		110	25-127				
N-nitroso-di-n-propylamine	20.7	5.00	"	25.0		82.8	26-122				
N-Nitrosodiphenylamine	16.8	5.00	"	25.0		67.3	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
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Batch BE80227 - EPA 3510C

LCS (BE80227-BS1)

Prepared & Analyzed: 05/04/2018

Phenol	7.66	5.00	ug/L	25.0		30.6	10-110				
Pyridine	12.4	5.00	"	35.0		35.3	10-90				
<i>Surrogate: 2-Fluorophenol</i>	<i>18.7</i>		<i>"</i>	<i>38.6</i>		<i>48.4</i>	<i>19.7-63.1</i>				
<i>Surrogate: Phenol-d5</i>	<i>10.6</i>		<i>"</i>	<i>38.1</i>		<i>27.8</i>	<i>10.1-41.7</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>27.6</i>		<i>"</i>	<i>25.0</i>		<i>110</i>	<i>50.2-113</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>24.0</i>		<i>"</i>	<i>24.9</i>		<i>96.3</i>	<i>39.9-105</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>33.4</i>		<i>"</i>	<i>39.2</i>		<i>85.2</i>	<i>39.3-151</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>19.9</i>		<i>"</i>	<i>25.1</i>		<i>79.2</i>	<i>30.7-106</i>				

LCS (BE80227-BS2)

Prepared & Analyzed: 05/04/2018

Acenaphthene	0.740	0.0500	ug/L	1.00		74.0	25-116				
Acenaphthylene	0.950	0.0500	"	1.00		95.0	26-116				
Anthracene	0.940	0.0500	"	1.00		94.0	25-123				
Benzo(a)anthracene	1.02	0.0500	"	1.00		102	33-125				
Benzo(a)pyrene	0.990	0.0500	"	1.00		99.0	32-132				
Benzo(b)fluoranthene	0.920	0.0500	"	1.00		92.0	22-137				
Benzo(g,h,i)perylene	0.950	0.0500	"	1.00		95.0	10-138				
Benzo(k)fluoranthene	0.830	0.0500	"	1.00		83.0	20-137				
Bis(2-ethylhexyl)phthalate	0.940	0.500	"	1.00		94.0	10-189				
Chrysene	0.780	0.0500	"	1.00		78.0	32-124				
Dibenzo(a,h)anthracene	0.960	0.0500	"	1.00		96.0	16-133				
Fluoranthene	1.01	0.0500	"	1.00		101	32-121				
Fluorene	0.870	0.0500	"	1.00		87.0	28-118				
Hexachlorobenzene	0.880	0.0200	"	1.00		88.0	23-124				
Hexachlorobutadiene	0.540	0.500	"	1.00		54.0	15-123				
Hexachloroethane	0.530	0.500	"	1.00		53.0	18-115				
Indeno(1,2,3-cd)pyrene	0.960	0.0500	"	1.00		96.0	15-135				
Naphthalene	0.750	0.0500	"	1.00		75.0	18-120				
Nitrobenzene	0.920	0.250	"	1.00		92.0	21-121				
N-Nitrosodimethylamine	0.220	0.500	"	1.00		22.0	10-124				
Pentachlorophenol	0.750	0.250	"	1.00		75.0	10-156				
Phenanthrene	0.830	0.0500	"	1.00		83.0	24-127				
Pyrene	0.870	0.0500	"	1.00		87.0	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 BE80227 - EPA 3510C											
LCS Dup (BE80227-BSD1)											
Prepared & Analyzed: 05/04/2018											
1,1-Biphenyl	20.5	5.00	ug/L	25.0		81.9	33-95		8.06	20	
1,2,4,5-Tetrachlorobenzene	24.4	5.00	"	25.0		97.6	26-120		7.19	20	
1,2,4-Trichlorobenzene	22.3	5.00	"	25.0		89.2	20-118		2.87	20	
1,2-Dichlorobenzene	19.3	5.00	"	25.0		77.4	29-111		6.12	20	
1,2-Diphenylhydrazine (as Azobenzene)	15.2	5.00	"	25.0		60.8	16-141		7.36	20	
1,3-Dichlorobenzene	19.3	5.00	"	25.0		77.4	23-117		2.70	20	
1,4-Dichlorobenzene	19.7	5.00	"	25.0		78.9	30-105		3.53	20	
2,3,4,6-Tetrachlorophenol	26.5	5.00	"	25.0		106	30-130		9.23	20	
2,4,5-Trichlorophenol	24.9	5.00	"	25.0		99.5	32-114		9.97	20	
2,4,6-Trichlorophenol	23.8	5.00	"	25.0		95.4	35-118		9.70	20	
2,4-Dichlorophenol	23.4	5.00	"	25.0		93.6	25-116		10.5	20	
2,4-Dimethylphenol	22.8	5.00	"	25.0		91.2	15-116		0.175	20	
2,4-Dinitrophenol	29.4	5.00	"	25.0		118	10-170		0.238	20	
2,4-Dinitrotoluene	28.1	5.00	"	25.0		112	41-128		7.56	20	
2,6-Dinitrotoluene	28.7	5.00	"	25.0		115	45-116		4.07	20	
2-Chloronaphthalene	19.6	5.00	"	25.0		78.2	33-112		7.25	20	
2-Chlorophenol	20.4	5.00	"	25.0		81.5	15-120		0.541	20	
2-Methylnaphthalene	23.0	5.00	"	25.0		92.0	24-118		11.5	20	
2-Methylphenol	16.0	5.00	"	25.0		63.8	10-110		6.37	20	
2-Nitroaniline	21.1	5.00	"	25.0		84.5	34-129		4.62	20	
2-Nitrophenol	26.3	5.00	"	25.0		105	28-118		16.6	20	
3- & 4-Methylphenols	12.4	5.00	"	25.0		49.4	10-107		8.38	20	
3,3-Dichlorobenzidine	25.7	5.00	"	25.0		103	15-187		3.89	20	
3-Nitroaniline	22.1	5.00	"	25.0		88.4	24-134		4.51	20	
4,6-Dinitro-2-methylphenol	18.4	5.00	"	25.0		73.5	10-153		1.94	20	
4-Bromophenyl phenyl ether	16.2	5.00	"	25.0		64.6	34-120		8.08	20	
4-Chloro-3-methylphenol	24.8	5.00	"	25.0		99.2	20-120		11.5	20	
4-Chloroaniline	15.4	5.00	"	25.0		61.8	10-147		10.3	20	
4-Chlorophenyl phenyl ether	25.8	5.00	"	25.0		103	27-121		4.44	20	
4-Nitroaniline	19.5	5.00	"	25.0		78.1	13-134		10.4	20	
4-Nitrophenol	10.8	5.00	"	25.0		43.2	10-131		32.7	20	Non-dir.
Acetophenone	19.3	5.00	"	25.0		77.2	25-110		5.15	20	
Aniline	9.80	5.00	"	25.0		39.2	10-117		3.80	20	
Benzaldehyde	21.6	5.00	"	25.0		86.2	29-117		6.20	20	
Benzoic acid	2.51	50.0	"	25.4		9.88	30-130	Low Bias	3.52	20	
Benzyl alcohol	14.3	5.00	"	25.0		57.2	10-117		1.62	20	
Benzyl butyl phthalate	24.9	5.00	"	25.0		99.5	29-133		7.99	20	
Bis(2-chloroethoxy)methane	22.1	5.00	"	25.0		88.3	10-154		8.83	20	
Bis(2-chloroethyl)ether	18.0	5.00	"	25.0		71.8	17-125		8.43	20	
Bis(2-chloroisopropyl)ether	16.8	5.00	"	25.0		67.1	10-139		7.13	20	
Caprolactam	3.94	5.00	"	25.0		15.8	10-137		4.41	20	
Carbazole	22.7	5.00	"	25.0		90.9	42-126		7.05	20	
Dibenzofuran	22.1	5.00	"	25.0		88.3	36-113		14.5	20	
Diethyl phthalate	24.5	5.00	"	25.0		98.0	38-115		11.2	20	
Dimethyl phthalate	24.3	5.00	"	25.0		97.3	38-129		11.2	20	
Di-n-butyl phthalate	24.5	5.00	"	25.0		97.9	31-120		8.82	20	
Di-n-octyl phthalate	27.5	5.00	"	25.0		110	21-149		4.69	20	
Hexachlorocyclopentadiene	12.4	10.0	"	25.0		49.6	10-130		3.17	20	
Isophorone	24.2	5.00	"	25.0		96.7	25-127		12.5	20	
N-nitroso-di-n-propylamine	19.8	5.00	"	25.0		79.3	26-122		4.30	20	
N-Nitrosodiphenylamine	17.1	5.00	"	25.0		68.3	23-149		1.47	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80227 - EPA 3510C

LCS Dup (BE80227-BSD1)

Prepared & Analyzed: 05/04/2018

Phenol	7.34	5.00	ug/L	25.0		29.4	10-110			4.27	20		
Pyridine	9.73	5.00	"	35.0		27.8	10-90			23.9	20	Non-dir.	
<i>Surrogate: 2-Fluorophenol</i>	<i>17.0</i>		<i>"</i>	<i>38.6</i>		<i>43.9</i>	<i>19.7-63.1</i>						
<i>Surrogate: Phenol-d5</i>	<i>9.75</i>		<i>"</i>	<i>38.1</i>		<i>25.6</i>	<i>10.1-41.7</i>						
<i>Surrogate: Nitrobenzene-d5</i>	<i>26.3</i>		<i>"</i>	<i>25.0</i>		<i>105</i>	<i>50.2-113</i>						
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>21.1</i>		<i>"</i>	<i>24.9</i>		<i>84.8</i>	<i>39.9-105</i>						
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>31.4</i>		<i>"</i>	<i>39.2</i>		<i>80.0</i>	<i>39.3-151</i>						
<i>Surrogate: Terphenyl-d14</i>	<i>18.6</i>		<i>"</i>	<i>25.1</i>		<i>74.1</i>	<i>30.7-106</i>						



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80142 - EPA SW846-3510C Low Level

Blank (BE80142-BLK1)

Prepared & Analyzed: 05/03/2018

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	"								

<i>Surrogate: Decachlorobiphenyl</i>	0.231		"	0.209		110	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.216		"	0.202		107	30-150				

LCS (BE80142-BS1)

Prepared & Analyzed: 05/03/2018

4,4'-DDD	0.138	0.00400	ug/L	0.100		138	40-140				
4,4'-DDE	0.136	0.00400	"	0.100		136	40-140				
4,4'-DDT	0.132	0.00400	"	0.100		132	40-140				
Aldrin	0.0964	0.00400	"	0.100		96.4	40-140				
alpha-BHC	0.110	0.00400	"	0.100		110	40-140				
alpha-Chlordane	0.0949	0.00400	"	0.100		94.9	40-140				
beta-BHC	0.127	0.00400	"	0.100		127	40-140				
delta-BHC	0.118	0.00400	"	0.100		118	40-140				
Dieldrin	0.107	0.00200	"	0.100		107	40-140				
Endosulfan I	0.0889	0.00400	"	0.100		88.9	40-140				
Endosulfan II	0.102	0.00400	"	0.100		102	40-140				
Endosulfan sulfate	0.115	0.00400	"	0.100		115	40-140				
Endrin	0.112	0.00400	"	0.100		112	40-140				
Endrin aldehyde	0.122	0.0100	"	0.100		122	40-140				
Endrin ketone	0.117	0.0100	"	0.100		117	40-140				
gamma-BHC (Lindane)	0.110	0.00400	"	0.100		110	40-140				
gamma-Chlordane	0.0892	0.0100	"	0.100		89.2	40-140				
Heptachlor	0.105	0.00400	"	0.100		105	40-140				
Heptachlor epoxide	0.102	0.00400	"	0.100		102	40-140				
Methoxychlor	0.138	0.00400	"	0.100		138	40-140				

<i>Surrogate: Decachlorobiphenyl</i>	0.199		"	0.209		95.1	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.176		"	0.202		87.1	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80142 - EPA SW846-3510C Low Level

LCS Dup (BE80142-BSD1)

Prepared & Analyzed: 05/03/2018

4,4'-DDD	0.139	0.00400	ug/L	0.100		139	40-140		0.740	20	
4,4'-DDE	0.133	0.00400	"	0.100		133	40-140		2.01	20	
4,4'-DDT	0.134	0.00400	"	0.100		134	40-140		1.93	20	
Aldrin	0.0978	0.00400	"	0.100		97.8	40-140		1.47	20	
alpha-BHC	0.107	0.00400	"	0.100		107	40-140		2.39	20	
alpha-Chlordane	0.0947	0.00400	"	0.100		94.7	40-140		0.254	20	
beta-BHC	0.124	0.00400	"	0.100		124	40-140		1.93	20	
delta-BHC	0.121	0.00400	"	0.100		121	40-140		2.67	20	
Dieldrin	0.106	0.00200	"	0.100		106	40-140		0.297	20	
Endosulfan I	0.0885	0.00400	"	0.100		88.5	40-140		0.458	20	
Endosulfan II	0.103	0.00400	"	0.100		103	40-140		0.347	20	
Endosulfan sulfate	0.116	0.00400	"	0.100		116	40-140		0.944	20	
Endrin	0.113	0.00400	"	0.100		113	40-140		1.32	20	
Endrin aldehyde	0.128	0.0100	"	0.100		128	40-140		4.98	20	
Endrin ketone	0.120	0.0100	"	0.100		120	40-140		3.07	20	
gamma-BHC (Lindane)	0.108	0.00400	"	0.100		108	40-140		1.87	20	
gamma-Chlordane	0.0876	0.0100	"	0.100		87.6	40-140		1.84	20	
Heptachlor	0.103	0.00400	"	0.100		103	40-140		1.64	20	
Heptachlor epoxide	0.101	0.00400	"	0.100		101	40-140		1.29	20	
Methoxychlor	0.138	0.00400	"	0.100		138	40-140		0.151	20	
Surrogate: Decachlorobiphenyl	0.186		"	0.209		89.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.181		"	0.202		89.8	30-150				

Batch BE80298 - EPA SW846-3510C Low Level

Blank (BE80298-BLK1)

Prepared & Analyzed: 05/07/2018

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	0.189		"	0.209		90.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.174		"	0.202		86.1	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80298 - EPA SW846-3510C Low Level

LCS (BE80298-BS1)

Prepared & Analyzed: 05/07/2018

4,4'-DDD	0.105	0.00400	ug/L	0.100		105	40-140				
4,4'-DDE	0.111	0.00400	"	0.100		111	40-140				
4,4'-DDT	0.119	0.00400	"	0.100		119	40-140				
Aldrin	0.104	0.00400	"	0.100		104	40-140				
alpha-BHC	0.108	0.00400	"	0.100		108	40-140				
alpha-Chlordane	0.0971	0.00400	"	0.100		97.1	40-140				
beta-BHC	0.117	0.00400	"	0.100		117	40-140				
delta-BHC	0.118	0.00400	"	0.100		118	40-140				
Dieldrin	0.105	0.00200	"	0.100		105	40-140				
Endosulfan I	0.100	0.00400	"	0.100		100	40-140				
Endosulfan II	0.103	0.00400	"	0.100		103	40-140				
Endosulfan sulfate	0.110	0.00400	"	0.100		110	40-140				
Endrin	0.104	0.00400	"	0.100		104	40-140				
Endrin aldehyde	0.107	0.0100	"	0.100		107	40-140				
Endrin ketone	0.107	0.0100	"	0.100		107	40-140				
gamma-BHC (Lindane)	0.106	0.00400	"	0.100		106	40-140				
gamma-Chlordane	0.0945	0.0100	"	0.100		94.5	40-140				
Heptachlor	0.0944	0.00400	"	0.100		94.4	40-140				
Heptachlor epoxide	0.0956	0.00400	"	0.100		95.6	40-140				
Methoxychlor	0.0987	0.00400	"	0.100		98.7	40-140				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.210</i>		<i>"</i>	<i>0.209</i>		<i>100</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.183</i>		<i>"</i>	<i>0.202</i>		<i>90.6</i>	<i>30-150</i>				

LCS Dup (BE80298-BS1)

Prepared & Analyzed: 05/07/2018

4,4'-DDD	0.0937	0.00400	ug/L	0.100		93.7	40-140	11.3	20		
4,4'-DDE	0.0909	0.00400	"	0.100		90.9	40-140	19.6	20		
4,4'-DDT	0.0972	0.00400	"	0.100		97.2	40-140	20.0	20		
Aldrin	0.0973	0.00400	"	0.100		97.3	40-140	6.79	20		
alpha-BHC	0.103	0.00400	"	0.100		103	40-140	4.80	20		
alpha-Chlordane	0.0872	0.00400	"	0.100		87.2	40-140	10.6	20		
beta-BHC	0.108	0.00400	"	0.100		108	40-140	7.93	20		
delta-BHC	0.107	0.00400	"	0.100		107	40-140	9.51	20		
Dieldrin	0.0936	0.00200	"	0.100		93.6	40-140	11.7	20		
Endosulfan I	0.0906	0.00400	"	0.100		90.6	40-140	10.2	20		
Endosulfan II	0.0892	0.00400	"	0.100		89.2	40-140	14.8	20		
Endosulfan sulfate	0.0928	0.00400	"	0.100		92.8	40-140	16.5	20		
Endrin	0.0910	0.00400	"	0.100		91.0	40-140	13.2	20		
Endrin aldehyde	0.0914	0.0100	"	0.100		91.4	40-140	15.8	20		
Endrin ketone	0.0912	0.0100	"	0.100		91.2	40-140	15.7	20		
gamma-BHC (Lindane)	0.0996	0.00400	"	0.100		99.6	40-140	5.74	20		
gamma-Chlordane	0.0853	0.0100	"	0.100		85.3	40-140	10.2	20		
Heptachlor	0.0882	0.00400	"	0.100		88.2	40-140	6.85	20		
Heptachlor epoxide	0.0878	0.00400	"	0.100		87.8	40-140	8.48	20		
Methoxychlor	0.0885	0.00400	"	0.100		88.5	40-140	10.9	20		
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.169</i>		<i>"</i>	<i>0.209</i>		<i>80.8</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.175</i>		<i>"</i>	<i>0.202</i>		<i>86.6</i>	<i>30-150</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y8E0401 - BE80142

Performance Mix (Y8E0401-PEM1)											Prepared & Analyzed: 05/03/2018	
4,4'-DDD	0.00		ng/mL	0.00			0-200					
4,4'-DDE	0.915		"	0.00			0-200					
4,4'-DDT	208		"	200		104	0-200					
Endrin	122		"	100		122	0-200					
Endrin aldehyde	1.40		"	0.00			0-200					
Endrin ketone	4.94		"	0.00			0-200					

Performance Mix (Y8E0401-PEM2)											Prepared & Analyzed: 05/03/2018	
4,4'-DDD	0.00		ng/mL	0.00			0-200					
4,4'-DDE	0.967		"	0.00			0-200					
4,4'-DDT	213		"	200		107	0-200					
Endrin	127		"	100		127	0-200					
Endrin aldehyde	1.37		"	0.00			0-200					
Endrin ketone	4.89		"	0.00			0-200					

Batch Y8E0704 - BE80142

Performance Mix (Y8E0704-PEM1)											Prepared & Analyzed: 05/04/2018	
4,4'-DDD	0.00		ng/mL	0.00			0-200					
4,4'-DDE	1.04		"	0.00			0-200					
4,4'-DDT	204		"	200		102	0-200					
Endrin	125		"	100		125	0-200					
Endrin aldehyde	1.04		"	0.00			0-200					
Endrin ketone	4.83		"	0.00			0-200					



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y8E0704 - BE80142

Performance Mix (Y8E0704-PEM2)											Prepared & Analyzed: 05/04/2018	
4,4'-DDD	0.00		ng/mL	0.00			0-200					
4,4'-DDE	1.11		"	0.00			0-200					
4,4'-DDT	233		"	200		116	0-200					
Endrin	147		"	100		147	0-200					
Endrin aldehyde	1.77		"	0.00			0-200					
Endrin ketone	5.63		"	0.00			0-200					

Batch Y8E0805 - BE80295

Performance Mix (Y8E0805-PEM1)											Prepared & Analyzed: 05/07/2018	
4,4'-DDD	0.00		ng/mL	0.00			0-200					
4,4'-DDE	0.964		"	0.00			0-200					
4,4'-DDT	134		"	200		66.9	0-200					
Endrin	88.0		"	100		88.0	0-200					
Endrin aldehyde	0.756		"	0.00			0-200					
Endrin ketone	4.48		"	0.00			0-200					

Performance Mix (Y8E0805-PEM2)											Prepared & Analyzed: 05/07/2018	
4,4'-DDD	0.00		ng/mL	0.00			0-200					
4,4'-DDE	1.06		"	0.00			0-200					
4,4'-DDT	201		"	200		101	0-200					
Endrin	113		"	100		113	0-200					
Endrin aldehyde	1.15		"	0.00			0-200					
Endrin ketone	4.58		"	0.00			0-200					

Batch Y8E0901 - BE80295

Performance Mix (Y8E0901-PEM1)											Prepared & Analyzed: 05/08/2018	
4,4'-DDD	0.00		ng/mL	0.00			0-200					
4,4'-DDE	0.974		"	0.00			0-200					
4,4'-DDT	148		"	200		74.1	0-200					
Endrin	95.7		"	100		95.7	0-200					
Endrin aldehyde	0.922		"	0.00			0-200					
Endrin ketone	4.74		"	0.00			0-200					



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80142 - EPA SW846-3510C Low Level

Blank (BE80142-BLK2)

Prepared: 05/03/2018 Analyzed: 05/04/2018

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

0.209

"

0.202

103

30-150

Surrogate: Decachlorobiphenyl

0.239

"

0.209

114

30-150

LCS (BE80142-BS2)

Prepared: 05/03/2018 Analyzed: 05/04/2018

Aroclor 1016	1.30	0.0500	ug/L	1.00		130	40-120	High Bias		20	
Aroclor 1260	1.24	0.0500	"	1.00		124	40-120	High Bias		20	
Surrogate: Tetrachloro-m-xylene	0.213		"	0.202		105	30-150				
Surrogate: Decachlorobiphenyl	0.226		"	0.209		108	30-150				

LCS Dup (BE80142-BSD2)

Prepared: 05/03/2018 Analyzed: 05/04/2018

Aroclor 1016	1.37	0.0500	ug/L	1.00		137	40-120	High Bias	5.33	20	
Aroclor 1260	1.29	0.0500	"	1.00		129	40-120	High Bias	4.36	20	
Surrogate: Tetrachloro-m-xylene	0.220		"	0.202		109	30-150				
Surrogate: Decachlorobiphenyl	0.217		"	0.209		104	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
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Batch BE80244 - EPA 3015A

Blank (BE80244-BLK1)

Prepared & Analyzed: 05/04/2018

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	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.111	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0167	"								

LCS (BE80244-BS1)

Prepared & Analyzed: 05/04/2018

Aluminum	2.08		ug/mL	2.00		104	80-120				
Barium	1.96		"	2.00		97.8	80-120				
Calcium	1.04		"	1.00		104	80-120				
Chromium	0.195		"	0.200		97.3	80-120				
Cobalt	0.487		"	0.500		97.4	80-120				
Copper	0.237		"	0.250		95.0	80-120				
Iron	1.16		"	1.00		116	80-120				
Lead	0.461		"	0.500		92.3	80-120				
Magnesium	0.974		"	1.00		97.4	80-120				
Manganese	0.507		"	0.500		101	80-120				
Nickel	0.477		"	0.500		95.5	80-120				
Potassium	0.819		"	1.00		81.9	80-120				
Silver	0.0499		"	0.0500		99.7	80-120				
Sodium	0.972		"	1.00		97.2	80-120				
Vanadium	0.484		"	0.500		96.9	80-120				
Zinc	0.459		"	0.500		91.7	80-120				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80244 - EPA 3015A

Duplicate (BE80244-DUP1)	*Source sample: 18E0129-06 (FB-5)					Prepared & Analyzed: 05/04/2018					
Aluminum	ND	0.0556	mg/L		ND						20
Barium	ND	0.0111	"		ND						20
Calcium	ND	0.0556	"		ND						20
Chromium	ND	0.00556	"		ND						20
Cobalt	ND	0.00556	"		ND						20
Copper	ND	0.00556	"		ND						20
Iron	ND	0.0222	"		ND						20
Lead	ND	0.00556	"		ND						20
Magnesium	ND	0.0556	"		ND						20
Manganese	ND	0.00556	"		ND						20
Nickel	ND	0.00556	"		ND						20
Potassium	0.0591	0.0556	"		ND				4.19		20
Silver	ND	0.00556	"		ND						20
Sodium	0.652	0.111	"		0.625						20
Vanadium	ND	0.0111	"		ND						20
Zinc	ND	0.0167	"		ND						20

Matrix Spike (BE80244-MS1)	*Source sample: 18E0129-06 (FB-5)					Prepared & Analyzed: 05/04/2018					
Barium	2.13	0.0111	mg/L	2.22	ND	95.8	75-125				
Chromium	0.213	0.00556	"	0.222	ND	95.7	75-125				
Cobalt	0.524	0.00556	"	0.556	ND	94.3	75-125				
Copper	0.256	0.00556	"	0.278	ND	92.0	75-125				
Iron	1.08	0.0222	"	1.11	ND	96.9	75-125				
Lead	0.500	0.00556	"	0.556	ND	90.0	75-125				
Manganese	0.551	0.00556	"	0.556	ND	99.2	75-125				
Nickel	0.509	0.00556	"	0.556	ND	91.7	75-125				
Silver	0.0543	0.00556	"	0.0556	ND	97.7	75-125				
Vanadium	0.530	0.0111	"	0.556	ND	95.5	75-125				
Zinc	0.488	0.0167	"	0.556	ND	87.8	75-125				



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

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

Batch BE80397 - EPA 3015A

Blank (BE80397-BLK1)

Prepared: 05/08/2018 Analyzed: 05/09/2018

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	"										

LCS (BE80397-BS1)

Prepared: 05/08/2018 Analyzed: 05/09/2018

Aluminum - Dissolved	1.96		ug/mL	2.00	97.8	80-120							
Barium - Dissolved	1.99		"	2.00	99.4	80-120							
Calcium - Dissolved	0.827		"	1.00	82.7	80-120							
Chromium - Dissolved	0.206		"	0.200	103	80-120							
Cobalt - Dissolved	0.511		"	0.500	102	80-120							
Copper - Dissolved	0.249		"	0.250	99.7	80-120							
Iron - Dissolved	1.01		"	1.00	101	80-120							
Lead - Dissolved	0.482		"	0.500	96.5	80-120							
Magnesium - Dissolved	1.03		"	1.00	103	80-120							
Manganese - Dissolved	0.506		"	0.500	101	80-120							
Nickel - Dissolved	0.497		"	0.500	99.5	80-120							
Potassium - Dissolved	0.782		"	1.00	78.2	80-120			Low Bias				
Silver - Dissolved	0.0497		"	0.0500	99.4	80-120							
Sodium - Dissolved	1.01		"	1.00	101	80-120							
Vanadium - Dissolved	0.481		"	0.500	96.2	80-120							
Zinc - Dissolved	0.476		"	0.500	95.2	80-120							



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

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

Batch BE80245 - EPA 3015A

Blank (BE80245-BLK1)

Prepared: 05/04/2018 Analyzed: 05/07/2018

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 (BE80245-BS1)

Prepared: 05/04/2018 Analyzed: 05/07/2018

Antimony	48.5		ug/L	50.0		96.9	80-120						
Arsenic	48.0		"	50.0		96.0	80-120						
Beryllium	49.8		"	50.0		99.7	80-120						
Cadmium	48.7		"	50.0		97.4	80-120						
Selenium	43.7		"	50.0		87.4	80-120						
Thallium	48.7		"	50.0		97.3	80-120						

Duplicate (BE80245-DUP1)

*Source sample: 18E0129-06 (FB-5)

Prepared: 05/04/2018 Analyzed: 05/07/2018

Antimony	ND	0.00111	mg/L		ND								20
Arsenic	ND	0.00111	"		ND								20
Beryllium	ND	0.00111	"		ND								20
Cadmium	ND	0.00111	"		ND								20
Selenium	ND	0.00111	"		ND								20
Thallium	ND	0.00111	"		ND								20

Matrix Spike (BE80245-MS1)

*Source sample: 18E0129-06 (FB-5)

Prepared: 05/04/2018 Analyzed: 05/07/2018

Antimony	46.6		ug/L	50.0	-0.013	93.2	75-125						
Arsenic	47.4		"	50.0	0.057	94.7	75-125						
Beryllium	53.1		"	50.0	0.0009	106	75-125						
Cadmium	47.6		"	50.0	-0.0002	95.3	75-125						
Selenium	44.7		"	50.0	0.341	88.7	75-125						
Thallium	53.1		"	50.0	0.010	106	75-125						



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

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

Batch BE80398 - EPA 3015A

Blank (BE80398-BLK1)

Prepared: 05/08/2018 Analyzed: 05/09/2018

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 (BE80398-BS1)

Prepared: 05/08/2018 Analyzed: 05/09/2018

Antimony - Dissolved	46.3		ug/L	50.0		92.7	80-120				
Arsenic - Dissolved	46.2		"	50.0		92.4	80-120				
Beryllium - Dissolved	49.0		"	50.0		98.0	80-120				
Cadmium - Dissolved	47.0		"	50.0		94.0	80-120				
Selenium - Dissolved	47.7		"	50.0		95.3	80-120				
Thallium - Dissolved	48.4		"	50.0		96.8	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 BE80332 - EPA 7473 water											
Blank (BE80332-BLK1)										Prepared & Analyzed: 05/07/2018	
Mercury	ND	0.00020	mg/L								
Reference (BE80332-SRM1)										Prepared & Analyzed: 05/07/2018	
Mercury	0.00894		mg/L	0.0100		89.4	70-130				
Batch BE80406 - EPA 7473 water											
Blank (BE80406-BLK1)										Prepared & Analyzed: 05/08/2018	
Mercury - Dissolved	ND	0.0002000	mg/L								
Reference (BE80406-SRM1)										Prepared & Analyzed: 05/08/2018	
Mercury - Dissolved	0.009025		mg/L	0.0100		90.2	70-130				



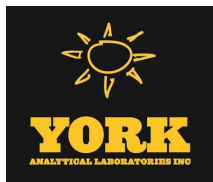
Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80163 - Analysis Preparation											
Blank (BE80163-BLK1)							Prepared & Analyzed: 05/03/2018				
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BE80163-BS1)							Prepared & Analyzed: 05/03/2018				
Chromium, Hexavalent	0.482	0.0100	mg/L	0.500		96.4	80-120				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0129-01	LTW-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0129-02	LTW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0129-06	FB-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0129-07	TB-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0129-08	LTW-4_050218B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0129-09	TB-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



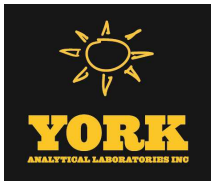
Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
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.



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Field Chain-of-Custody Record

YORK Project No.
 18E0129

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

Page 1 of 1

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	LANGAN	Company:		Company:		YOUR Project Number	100674401	RUSH - Next Day	
Address:	300 Kimball Dr.	Address:		Address:		YOUR Project Name	COVENANT HOUSE	RUSH - Two Day	
Phone:	Parsippany NJ	Phone:	SAME	Phone:	SAME	YOUR PO#:		RUSH - Three Day	
Contact:	973 560 4900	Contact:		Contact:				RUSH - Four Day	
E-mail:	A Forsburg	E-mail:		E-mail:				Standard (5-7 Day)	<input checked="" type="checkbox"/>
<p><i>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.</i></p>									
<p>Samples Collected by: (print your name above and sign below)</p> <p>Alyson Krutzy </p>									
Sample Identification	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description				
L1W-7	GW	New York	<input checked="" type="checkbox"/> Summary Report	VOC, SVOC, PCB, PEST, TAL METAL, DISS METAL	XCR				
L1W-6	GW	New Jersey	<input type="checkbox"/> QA Report						
L1W-5	GW	Connecticut	<input type="checkbox"/> NY ASP A Package	PCB, PEST, DISS METAL, XCR	(2) DISS METAL				
L1W-4	GW	Pennsylvania	<input type="checkbox"/> NY ASP B Package	XCR, DISS MET	(2) DISS METAL				
DUP-5	GW	Other		XCR, DISS MET					
FB-5	AG			VOC, SVOC, PCB, PEST, TAL METAL, DISS METAL	XCR				
TB-7	SA AG			NOCS	2 VOA				
<p>Comments: 5 Day FIM TAT ADD'l volume for LTW-4 & DUP-5 to follow on 5/13/18</p>									
Samples Relinquished by / Company		Date/Time		Samples Relinquished by / Company		Date/Time		Special Instruction	
Krutzy LANGAN		5/21/18 16:50		Krutzy		5/21/18 16:50		Field Filtered Lab to Filter	
Samples Relinquished by / Company		Date/Time		Samples Received by / Company		Date/Time			
Krutzy LANGAN		5/21/18 16:50		Krutzy		5/21/18 20:33		Temp. Received at Lab	
Samples Relinquished by / Company		Date/Time		Samples Received by / Company		Date/Time			
Krutzy LANGAN		5/21/18 16:50		Krutzy		5/21/18 20:33		3.1	



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



Field Chain-of-Custody Record

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

YORK Project No.
18E0129

Page 1 of 1

YOUR INFORMATION			REPORT TO:			INVOICE TO:			YOUR PROJECT NUMBER		
Company: LANGAN	Company:		Company:	Company:	Company:	100674401	100674401	100674401	100674401	100674401	100674401
Address: 300 Kimball Dr	Address:		Address:	Address:	Address:						
Phone: 973 500 4900	Phone:		Phone:	Phone:	Phone:						
Contact: A Forsberg	Contact:		Contact:	Contact:	Contact:						
E-mail: aforsberg@languan.com	E-mail:		E-mail:	E-mail:	E-mail:						

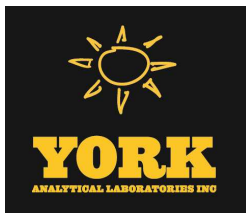
Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
		Summary Report	CT RCP	Standard Excel EDD	
S - soil / solid	New York	<input checked="" type="checkbox"/>			Compared to the following Regulation(s), (please fill in)
GW - groundwater	New Jersey				
DW - drinking water	Connecticut				
WW - wastewater	Pennsylvania				
O - Oil ; Other	Other				

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
LIN-4	GW	5/2/18 10:20	VOC, SVOC, PCB, PEST, TAL METALS	2 SAMPBgs I PLUGS IN 3 BOTT
TB-8	AQ	5/2/18 -	VOC	2 BOTT

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

Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
A Forsberg	5/3/18 09:05	[Signature]	5/3/18 09:45
A Forsberg			
A Forsberg			

Samples Received by / Company	Date/Time	Samples Received by / Company	Date/Time
A Forsberg		[Signature]	5/3/18 2010
A Forsberg			
A Forsberg			



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

Report Date: 05/09/2018
Client Project ID: 100674401
York Project (SDG) No.: 18E0130

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/09/2018
Client Project ID: 100674401
York Project (SDG) No.: 18E0130

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 02, 2018 and listed below. The project was identified as your project: **100674401**.

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>
18E0130-01	LSV-4	Soil Vapor	05/02/2018	05/02/2018
18E0130-02	LSV-3	Soil Vapor	05/02/2018	05/02/2018
18E0130-03	Dup-4	Soil Vapor	05/02/2018	05/02/2018
18E0130-04	LSV-5	Soil Vapor	05/02/2018	05/02/2018
18E0130-05	LSV-1	Soil Vapor	05/02/2018	05/02/2018
18E0130-06	LSV-7	Soil Vapor	05/02/2018	05/02/2018
18E0130-07	LSV-2	Soil Vapor	05/02/2018	05/02/2018
18E0130-08	LSV-6	Soil Vapor	05/02/2018	05/02/2018

General Notes for York Project (SDG) No.: 18E0130

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: 05/09/2018





Sample Information

Client Sample ID: LSV-4

York Sample ID: 18E0130-01

York Project (SDG) No.
18E0130

Client Project ID
100674401

Matrix
Soil Vapor

Collection Date/Time
May 2, 2018 12:00 pm

Date Received
05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.99	1.446	EPA TO-15 Certifications:	05/04/2018 12:29	05/04/2018 12:29	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.79	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.99	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.79	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.59	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
120-82-1	1,2,4-Trichlorobenzene	1.6		ug/m ³	1.1	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
95-63-6	1,2,4-Trimethylbenzene	20		ug/m ³	0.71	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.87	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.59	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.67	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.0	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
108-67-8	1,3,5-Trimethylbenzene	4.7		ug/m ³	0.71	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.96	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
541-73-1	1,3-Dichlorobenzene	1.2		ug/m ³	0.87	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.67	1.446	EPA TO-15 Certifications:	05/04/2018 12:29	05/04/2018 12:29	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.87	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.0	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
78-93-3	2-Butanone	7.1		ug/m ³	0.43	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS



Sample Information

Client Sample ID: LSV-4

York Sample ID: 18E0130-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	8.8		ug/m ³	1.2	1.446	EPA TO-15 Certifications:	05/04/2018 12:29	05/04/2018 12:29	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.3	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
108-10-1	4-Methyl-2-pentanone	2.1		ug/m ³	0.59	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
67-64-1	Acetone	7.8		ug/m ³	0.69	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.31	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
71-43-2	Benzene	1.2		ug/m ³	0.46	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.75	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
75-27-4	Bromodichloromethane	1.2		ug/m ³	0.97	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
75-25-2	Bromoform	ND		ug/m ³	1.5	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.56	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
75-15-0	Carbon disulfide	0.59		ug/m ³	0.45	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
56-23-5	Carbon tetrachloride	0.45		ug/m ³	0.23	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.67	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.38	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
67-66-3	Chloroform	47		ug/m ³	0.71	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
74-87-3	Chloromethane	ND		ug/m ³	0.30	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.66	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
110-82-7	Cyclohexane	ND		ug/m ³	0.50	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.2	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
75-71-8	Dichlorodifluoromethane	1.6		ug/m ³	0.72	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.0	1.446	EPA TO-15 Certifications:	05/04/2018 12:29	05/04/2018 12:29	LDS



Sample Information

Client Sample ID: LSV-4

York Sample ID: 18E0130-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	6.5		ug/m ³	0.63	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.5	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
67-63-0	Isopropanol	3.3		ug/m ³	0.71	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.59	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.52	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
75-09-2	Methylene chloride	2.1		ug/m ³	1.0	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
142-82-5	n-Heptane	1.5		ug/m ³	0.59	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
110-54-3	n-Hexane	0.82		ug/m ³	0.51	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
95-47-6	o-Xylene	9.7		ug/m ³	0.63	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
179601-23-1	p- & m- Xylenes	32		ug/m ³	1.3	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
622-96-8	* p-Ethyltoluene	14		ug/m ³	0.71	1.446	EPA TO-15 Certifications:	05/04/2018 12:29	05/04/2018 12:29	LDS
115-07-1	* Propylene	ND		ug/m ³	0.25	1.446	EPA TO-15 Certifications:	05/04/2018 12:29	05/04/2018 12:29	LDS
100-42-5	Styrene	ND		ug/m ³	0.62	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
127-18-4	Tetrachloroethylene	11		ug/m ³	0.25	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
109-99-9	* Tetrahydrofuran	1.2		ug/m ³	0.85	1.446	EPA TO-15 Certifications:	05/04/2018 12:29	05/04/2018 12:29	LDS
108-88-3	Toluene	19		ug/m ³	0.54	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.57	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.66	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
79-01-6	Trichloroethylene	0.70		ug/m ³	0.19	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.1		ug/m ³	0.81	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.51	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.63	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 12:29	05/04/2018 12:29	LDS



Sample Information

Client Sample ID: LSV-4

York Sample ID: 18E0130-01

York Project (SDG) No. 18E0130

Client Project ID 100674401

Matrix Soil Vapor

Collection Date/Time May 2, 2018 12:00 pm

Date Received 05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes data for Vinyl Chloride and Surrogate Recoveries for p-Bromofluorobenzene.



Sample Information

Client Sample ID: LSV-3

York Sample ID: 18E0130-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.0	1.478	EPA TO-15 Certifications:	05/04/2018 14:39	05/04/2018 14:39	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.81	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.0	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.81	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.60	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
95-63-6	1,2,4-Trimethylbenzene	17		ug/m ³	0.73	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.89	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.60	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.68	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.0	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
108-67-8	1,3,5-Trimethylbenzene	4.1		ug/m ³	0.73	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.98	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.89	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.68	1.478	EPA TO-15 Certifications:	05/04/2018 14:39	05/04/2018 14:39	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.89	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
78-93-3	2-Butanone	3.8		ug/m ³	0.44	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
591-78-6	* 2-Hexanone	4.7		ug/m ³	1.2	1.478	EPA TO-15 Certifications:	05/04/2018 14:39	05/04/2018 14:39	LDS



Sample Information

Client Sample ID: LSV-3

York Sample ID: 18E0130-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.3	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
108-10-1	4-Methyl-2-pentanone	5.6		ug/m ³	0.61	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
67-64-1	Acetone	8.4		ug/m ³	0.70	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.32	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
71-43-2	Benzene	1.4		ug/m ³	0.47	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.77	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.99	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
75-25-2	Bromoform	ND		ug/m ³	1.5	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.57	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
75-15-0	Carbon disulfide	0.60		ug/m ³	0.46	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
56-23-5	Carbon tetrachloride	0.28		ug/m ³	0.23	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.68	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.39	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
67-66-3	Chloroform	13		ug/m ³	0.72	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
74-87-3	Chloromethane	ND		ug/m ³	0.31	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.67	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
110-82-7	Cyclohexane	ND		ug/m ³	0.51	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
75-71-8	Dichlorodifluoromethane	1.6		ug/m ³	0.73	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
100-41-4	Ethyl Benzene	7.5		ug/m ³	0.64	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS



Sample Information

Client Sample ID: LSV-3

York Sample ID: 18E0130-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
67-63-0	Isopropanol	3.9		ug/m ³	0.73	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.61	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.53	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
75-09-2	Methylene chloride	2.6		ug/m ³	1.0	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
142-82-5	n-Heptane	0.79		ug/m ³	0.61	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
110-54-3	n-Hexane	ND		ug/m ³	0.52	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
95-47-6	o-Xylene	11		ug/m ³	0.64	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
179601-23-1	p- & m- Xylenes	34		ug/m ³	1.3	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
622-96-8	* p-Ethyltoluene	12		ug/m ³	0.73	1.478	EPA TO-15 Certifications:	05/04/2018 14:39	05/04/2018 14:39	LDS
115-07-1	* Propylene	ND		ug/m ³	0.25	1.478	EPA TO-15 Certifications:	05/04/2018 14:39	05/04/2018 14:39	LDS
100-42-5	Styrene	ND		ug/m ³	0.63	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
127-18-4	Tetrachloroethylene	20		ug/m ³	0.25	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
109-99-9	* Tetrahydrofuran	2.1		ug/m ³	0.87	1.478	EPA TO-15 Certifications:	05/04/2018 14:39	05/04/2018 14:39	LDS
108-88-3	Toluene	16		ug/m ³	0.56	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.59	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.67	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
79-01-6	Trichloroethylene	0.87		ug/m ³	0.20	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	0.91		ug/m ³	0.83	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.52	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.65	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.094	1.478	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 14:39	05/04/2018 14:39	LDS



Sample Information

Client Sample ID: LSV-3

York Sample ID: 18E0130-02

York Project (SDG) No.
18E0130

Client Project ID
100674401

Matrix
Soil Vapor

Collection Date/Time
May 2, 2018 12:00 pm

Date Received
05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	Result								
460-00-4	<i>Surrogate: p-Bromofluorobenzene</i>	100 %								
				Acceptance Range						



Sample Information

Client Sample ID: Dup-4

York Sample ID: 18E0130-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.0	1.523	EPA TO-15 Certifications:	05/04/2018 15:44	05/04/2018 15:44	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.83	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.0	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.83	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.62	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
95-63-6	1,2,4-Trimethylbenzene	18		ug/m ³	0.75	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.92	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.62	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.70	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
108-67-8	1,3,5-Trimethylbenzene	4.6		ug/m ³	0.75	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.92	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.70	1.523	EPA TO-15 Certifications:	05/04/2018 15:44	05/04/2018 15:44	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.92	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
78-93-3	2-Butanone	4.3		ug/m ³	0.45	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
591-78-6	* 2-Hexanone	5.2		ug/m ³	1.2	1.523	EPA TO-15 Certifications:	05/04/2018 15:44	05/04/2018 15:44	LDS



Sample Information

Client Sample ID: Dup-4

York Sample ID: 18E0130-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
108-10-1	4-Methyl-2-pentanone	6.0		ug/m ³	0.62	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
67-64-1	Acetone	8.3		ug/m ³	0.72	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.33	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
71-43-2	Benzene	1.5		ug/m ³	0.49	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.79	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.59	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
75-15-0	Carbon disulfide	0.62		ug/m ³	0.47	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
56-23-5	Carbon tetrachloride	0.29		ug/m ³	0.24	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.70	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.40	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
67-66-3	Chloroform	13		ug/m ³	0.74	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
74-87-3	Chloromethane	ND		ug/m ³	0.31	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.69	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
110-82-7	Cyclohexane	ND		ug/m ³	0.52	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
75-71-8	Dichlorodifluoromethane	1.6		ug/m ³	0.75	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
100-41-4	Ethyl Benzene	7.7		ug/m ³	0.66	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS



Sample Information

Client Sample ID: Dup-4

York Sample ID: 18E0130-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
67-63-0	Isopropanol	4.1		ug/m ³	0.75	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.62	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.55	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
75-09-2	Methylene chloride	1.3		ug/m ³	1.1	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
142-82-5	n-Heptane	0.75		ug/m ³	0.62	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
110-54-3	n-Hexane	ND		ug/m ³	0.54	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
95-47-6	o-Xylene	12		ug/m ³	0.66	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
179601-23-1	p- & m- Xylenes	37		ug/m ³	1.3	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
622-96-8	* p-Ethyltoluene	13		ug/m ³	0.75	1.523	EPA TO-15 Certifications:	05/04/2018 15:44	05/04/2018 15:44	LDS
115-07-1	* Propylene	ND		ug/m ³	0.26	1.523	EPA TO-15 Certifications:	05/04/2018 15:44	05/04/2018 15:44	LDS
100-42-5	Styrene	ND		ug/m ³	0.65	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
127-18-4	Tetrachloroethylene	17		ug/m ³	0.26	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
109-99-9	* Tetrahydrofuran	2.3		ug/m ³	0.90	1.523	EPA TO-15 Certifications:	05/04/2018 15:44	05/04/2018 15:44	LDS
108-88-3	Toluene	17		ug/m ³	0.57	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.60	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.69	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
79-01-6	Trichloroethylene	0.90		ug/m ³	0.20	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	0.94		ug/m ³	0.86	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.54	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.67	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.097	1.523	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 15:44	05/04/2018 15:44	LDS



Sample Information

Client Sample ID: Dup-4

York Sample ID: 18E0130-03

York Project (SDG) No. 18E0130

Client Project ID 100674401

Matrix Soil Vapor

Collection Date/Time May 2, 2018 12:00 pm

Date Received 05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	98.8 %								



Sample Information

Client Sample ID: LSV-5

York Sample ID: 18E0130-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND	IS-LO	ug/m ³	0.99	1.441	EPA TO-15 Certifications:	05/04/2018 16:48	05/04/2018 16:48	LDS
71-55-6	1,1,1-Trichloroethane	1.2		ug/m ³	0.79	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/m ³	0.99	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.79	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.58	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.14	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/m ³	1.1	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
95-63-6	1,2,4-Trimethylbenzene	640	IS-LO	ug/m ³	28	57.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/05/2018 05:43	05/05/2018 05:43	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/m ³	0.87	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.58	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.67	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.0	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
108-67-8	1,3,5-Trimethylbenzene	630	IS-LO	ug/m ³	28	57.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/05/2018 05:43	05/05/2018 05:43	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.96	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/m ³	0.87	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.67	1.441	EPA TO-15 Certifications:	05/04/2018 16:48	05/04/2018 16:48	LDS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/m ³	0.87	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.0	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
78-93-3	2-Butanone	35		ug/m ³	0.42	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.2	1.441	EPA TO-15 Certifications:	05/04/2018 16:48	05/04/2018 16:48	LDS



Sample Information

Client Sample ID: LSV-5

York Sample ID: 18E0130-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.3	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.59	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
67-64-1	Acetone	120		ug/m ³	0.68	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.31	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
71-43-2	Benzene	5.9		ug/m ³	0.46	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
100-44-7	Benzyl chloride	ND	IS-LO	ug/m ³	0.75	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.97	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
75-25-2	Bromoform	ND	IS-LO	ug/m ³	1.5	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.56	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
75-15-0	Carbon disulfide	34		ug/m ³	0.45	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
56-23-5	Carbon tetrachloride	0.45		ug/m ³	0.23	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
108-90-7	Chlorobenzene	ND	IS-LO	ug/m ³	0.66	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.38	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
67-66-3	Chloroform	46		ug/m ³	0.70	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
74-87-3	Chloromethane	0.42		ug/m ³	0.30	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.14	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.65	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
110-82-7	Cyclohexane	3.4		ug/m ³	0.50	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.2	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.71	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.0	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
100-41-4	Ethyl Benzene	280	IS-LO	ug/m ³	25	57.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/05/2018 05:43	05/05/2018 05:43	LDS



Sample Information

Client Sample ID: LSV-5

York Sample ID: 18E0130-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/m ³	1.5	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
67-63-0	Isopropanol	3.0		ug/m ³	0.71	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.59	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.52	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
75-09-2	Methylene chloride	25		ug/m ³	1.0	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
142-82-5	n-Heptane	14		ug/m ³	0.59	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
110-54-3	n-Hexane	6.7		ug/m ³	0.51	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
95-47-6	o-Xylene	410	IS-LO	ug/m ³	25	57.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/05/2018 05:43	05/05/2018 05:43	LDS
179601-23-1	p- & m- Xylenes	770	IS-LO	ug/m ³	50	57.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/05/2018 05:43	05/05/2018 05:43	LDS
622-96-8	* p-Ethyltoluene	960	IS-LO	ug/m ³	28	57.64	EPA TO-15 Certifications:	05/05/2018 05:43	05/05/2018 05:43	LDS
115-07-1	* Propylene	24		ug/m ³	0.25	1.441	EPA TO-15 Certifications:	05/04/2018 16:48	05/04/2018 16:48	LDS
100-42-5	Styrene	ND	IS-LO	ug/m ³	0.61	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
127-18-4	Tetrachloroethylene	32		ug/m ³	0.24	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
109-99-9	* Tetrahydrofuran	4.4		ug/m ³	0.85	1.441	EPA TO-15 Certifications:	05/04/2018 16:48	05/04/2018 16:48	LDS
108-88-3	Toluene	66		ug/m ³	0.54	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.57	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.65	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
79-01-6	Trichloroethylene	2.9		ug/m ³	0.19	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.1		ug/m ³	0.81	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.51	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.63	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.092	1.441	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 16:48	05/04/2018 16:48	LDS



Sample Information

Client Sample ID: LSV-5		York Sample ID: 18E0130-04		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0130	100674401	Soil Vapor	May 2, 2018 12:00 pm	05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	260 %	S-08							
460-00-4	Surrogate: p-Bromofluorobenzene	124 %								



Sample Information

Client Sample ID: LSV-1

York Sample ID: 18E0130-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.92	1.34	EPA TO-15 Certifications:	05/04/2018 17:53	05/04/2018 17:53	LDS
71-55-6	1,1,1-Trichloroethane	ND	IS-LO	ug/m ³	0.73	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.92	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.0	IS-LO	ug/m ³	1.0	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.73	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
75-34-3	1,1-Dichloroethane	ND	IS-LO	ug/m ³	0.54	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
75-35-4	1,1-Dichloroethylene	ND	IS-LO	ug/m ³	0.13	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.99	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
95-63-6	1,2,4-Trimethylbenzene	53		ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.0	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.81	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
107-06-2	1,2-Dichloroethane	ND	IS-LO	ug/m ³	0.54	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.62	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND	IS-LO	ug/m ³	0.94	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
108-67-8	1,3,5-Trimethylbenzene	17		ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
106-99-0	1,3-Butadiene	ND	IS-LO	ug/m ³	0.89	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.81	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.62	1.34	EPA TO-15 Certifications:	05/04/2018 17:53	05/04/2018 17:53	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.81	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.97	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
78-93-3	2-Butanone	26	IS-LO	ug/m ³	0.40	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
591-78-6	* 2-Hexanone	11		ug/m ³	1.1	1.34	EPA TO-15 Certifications:	05/04/2018 17:53	05/04/2018 17:53	LDS



Sample Information

Client Sample ID: LSV-1

York Sample ID: 18E0130-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND	IS-LO	ug/m ³	2.1	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
108-10-1	4-Methyl-2-pentanone	33		ug/m ³	5.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/05/2018 17:01	05/05/2018 17:01	LDS
67-64-1	Acetone	130		ug/m ³	6.4	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/05/2018 17:01	05/05/2018 17:01	LDS
107-13-1	Acrylonitrile	ND	IS-LO	ug/m ³	0.29	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
71-43-2	Benzene	67	IS-LO	ug/m ³	0.43	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.69	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.90	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
75-25-2	Bromoform	ND		ug/m ³	1.4	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
74-83-9	Bromomethane	ND	IS-LO	ug/m ³	0.52	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
75-15-0	Carbon disulfide	190	IS-LO	ug/m ³	0.42	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
56-23-5	Carbon tetrachloride	1.2	IS-LO	ug/m ³	0.21	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.62	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
75-00-3	Chloroethane	ND	IS-LO	ug/m ³	0.35	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
67-66-3	Chloroform	19	IS-LO	ug/m ³	0.65	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
74-87-3	Chloromethane	1.5	IS-LO	ug/m ³	0.28	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
156-59-2	cis-1,2-Dichloroethylene	ND	IS-LO	ug/m ³	0.13	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.61	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
110-82-7	Cyclohexane	14	IS-LO	ug/m ³	0.46	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.1	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
75-71-8	Dichlorodifluoromethane	8.7	IS-LO	ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
141-78-6	* Ethyl acetate	ND	IS-LO	ug/m ³	0.97	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
100-41-4	Ethyl Benzene	22		ug/m ³	0.58	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS



Sample Information

Client Sample ID: LSV-1

York Sample ID: 18E0130-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
67-63-0	Isopropanol	14	IS-LO	ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.55	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-LO	ug/m ³	0.48	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
75-09-2	Methylene chloride	ND	IS-LO	ug/m ³	0.93	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
142-82-5	n-Heptane	15		ug/m ³	5.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/05/2018 17:01	05/05/2018 17:01	LDS
110-54-3	n-Hexane	6.1		ug/m ³	4.7	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/05/2018 17:01	05/05/2018 17:01	LDS
95-47-6	o-Xylene	21		ug/m ³	0.58	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
179601-23-1	p- & m- Xylenes	79		ug/m ³	1.2	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
622-96-8	* p-Ethyltoluene	50		ug/m ³	0.66	1.34	EPA TO-15 Certifications:	05/04/2018 17:53	05/04/2018 17:53	LDS
115-07-1	* Propylene	25		ug/m ³	2.3	13.4	EPA TO-15 Certifications:	05/05/2018 17:01	05/05/2018 17:01	LDS
100-42-5	Styrene	10		ug/m ³	0.57	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
127-18-4	Tetrachloroethylene	16		ug/m ³	0.23	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
109-99-9	* Tetrahydrofuran	ND	IS-LO	ug/m ³	0.79	1.34	EPA TO-15 Certifications:	05/04/2018 17:53	05/04/2018 17:53	LDS
108-88-3	Toluene	60		ug/m ³	0.50	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
156-60-5	trans-1,2-Dichloroethylene	ND	IS-LO	ug/m ³	0.53	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.61	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
79-01-6	Trichloroethylene	5.3		ug/m ³	0.18	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	2.9	IS-LO	ug/m ³	0.75	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
108-05-4	Vinyl acetate	ND	IS-LO	ug/m ³	0.47	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
593-60-2	Vinyl bromide	ND	IS-LO	ug/m ³	0.59	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS
75-01-4	Vinyl Chloride	ND	IS-LO	ug/m ³	0.086	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 17:53	05/04/2018 17:53	LDS



Sample Information

Client Sample ID: LSV-1

York Sample ID: 18E0130-05

York Project (SDG) No.
18E0130

Client Project ID
100674401

Matrix
Soil Vapor

Collection Date/Time
May 2, 2018 12:00 pm

Date Received
05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	140 %	S-08							
460-00-4	Surrogate: p-Bromofluorobenzene	106 %								



Sample Information

Client Sample ID: LSV-7

York Sample ID: 18E0130-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.97	1.415	EPA TO-15 Certifications:	05/04/2018 18:58	05/04/2018 18:58	LDS
71-55-6	1,1,1-Trichloroethane	1.1		ug/m ³	0.77	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.97	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.77	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.57	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.14	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
95-63-6	1,2,4-Trimethylbenzene	29		ug/m ³	0.70	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.85	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.57	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.65	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.99	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
108-67-8	1,3,5-Trimethylbenzene	8.4		ug/m ³	0.70	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.94	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.85	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.65	1.415	EPA TO-15 Certifications:	05/04/2018 18:58	05/04/2018 18:58	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.85	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.0	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
78-93-3	2-Butanone	34		ug/m ³	0.42	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
591-78-6	* 2-Hexanone	35		ug/m ³	1.2	1.415	EPA TO-15 Certifications:	05/04/2018 18:58	05/04/2018 18:58	LDS



Sample Information

Client Sample ID: LSV-7

York Sample ID: 18E0130-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.2	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
108-10-1	4-Methyl-2-pentanone	20		ug/m ³	0.58	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
67-64-1	Acetone	88		ug/m ³	0.67	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.31	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
71-43-2	Benzene	10		ug/m ³	0.45	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.73	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.95	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
75-25-2	Bromoform	ND		ug/m ³	1.5	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.55	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
75-15-0	Carbon disulfide	22		ug/m ³	0.44	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.22	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.65	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.37	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
67-66-3	Chloroform	7.5		ug/m ³	0.69	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
74-87-3	Chloromethane	0.29		ug/m ³	0.29	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.14	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.64	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
110-82-7	Cyclohexane	1.9		ug/m ³	0.49	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.2	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
75-71-8	Dichlorodifluoromethane	1.9		ug/m ³	0.70	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
141-78-6	* Ethyl acetate	1.6		ug/m ³	1.0	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
100-41-4	Ethyl Benzene	21		ug/m ³	0.61	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS



Sample Information

Client Sample ID: LSV-7

York Sample ID: 18E0130-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.5	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
67-63-0	Isopropanol	8.3		ug/m ³	0.70	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.58	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.51	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
75-09-2	Methylene chloride	2.8		ug/m ³	0.98	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
142-82-5	n-Heptane	5.4		ug/m ³	0.58	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
110-54-3	n-Hexane	4.9		ug/m ³	0.50	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
95-47-6	o-Xylene	24		ug/m ³	0.61	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
179601-23-1	p- & m- Xylenes	87		ug/m ³	1.2	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
622-96-8	* p-Ethyltoluene	33		ug/m ³	0.70	1.415	EPA TO-15 Certifications:	05/04/2018 18:58	05/04/2018 18:58	LDS
115-07-1	* Propylene	12		ug/m ³	0.24	1.415	EPA TO-15 Certifications:	05/04/2018 18:58	05/04/2018 18:58	LDS
100-42-5	Styrene	ND		ug/m ³	0.60	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
127-18-4	Tetrachloroethylene	51		ug/m ³	0.24	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
109-99-9	* Tetrahydrofuran	3.3		ug/m ³	0.83	1.415	EPA TO-15 Certifications:	05/04/2018 18:58	05/04/2018 18:58	LDS
108-88-3	Toluene	49		ug/m ³	0.53	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.56	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.64	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
79-01-6	Trichloroethylene	2.3		ug/m ³	0.19	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.8		ug/m ³	0.80	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.50	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.62	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.090	1.415	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 18:58	05/04/2018 18:58	LDS



Sample Information

Client Sample ID: LSV-7

York Sample ID: 18E0130-06

York Project (SDG) No.
18E0130

Client Project ID
100674401

Matrix
Soil Vapor

Collection Date/Time
May 2, 2018 12:00 pm

Date Received
05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	<i>Surrogate: p-Bromofluorobenzene</i>	<i>130 %</i>								



Sample Information

Client Sample ID: LSV-2

York Sample ID: 18E0130-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.92	1.34	EPA TO-15 Certifications:	05/04/2018 20:03	05/04/2018 20:03	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.73	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.92	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.0	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.73	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.54	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.13	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.99	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
95-63-6	1,2,4-Trimethylbenzene	11		ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.0	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.81	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.54	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.62	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.94	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
108-67-8	1,3,5-Trimethylbenzene	3.2		ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.89	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.81	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.62	1.34	EPA TO-15 Certifications:	05/04/2018 20:03	05/04/2018 20:03	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.81	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.97	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
78-93-3	2-Butanone	13		ug/m ³	0.40	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
591-78-6	* 2-Hexanone	1.5		ug/m ³	1.1	1.34	EPA TO-15 Certifications:	05/04/2018 20:03	05/04/2018 20:03	LDS



Sample Information

Client Sample ID: LSV-2

York Sample ID: 18E0130-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.1	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
108-10-1	4-Methyl-2-pentanone	8.8		ug/m ³	0.55	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
67-64-1	Acetone	46		ug/m ³	0.64	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.29	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
71-43-2	Benzene	5.1		ug/m ³	0.43	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.69	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.90	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
75-25-2	Bromoform	ND		ug/m ³	1.4	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.52	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
75-15-0	Carbon disulfide	44		ug/m ³	0.42	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
56-23-5	Carbon tetrachloride	0.25		ug/m ³	0.21	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.62	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.35	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
67-66-3	Chloroform	4.2		ug/m ³	0.65	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
74-87-3	Chloromethane	0.91		ug/m ³	0.28	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.13	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.61	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
110-82-7	Cyclohexane	2.3		ug/m ³	0.46	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.1	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
75-71-8	Dichlorodifluoromethane	3.1		ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
141-78-6	* Ethyl acetate	5.2		ug/m ³	0.97	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
100-41-4	Ethyl Benzene	7.6		ug/m ³	0.58	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS



Sample Information

Client Sample ID: LSV-2

York Sample ID: 18E0130-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
67-63-0	Isopropanol	7.4		ug/m ³	0.66	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.55	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.48	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
75-09-2	Methylene chloride	8.3		ug/m ³	0.93	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
142-82-5	n-Heptane	14		ug/m ³	0.55	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
110-54-3	n-Hexane	25		ug/m ³	0.47	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
95-47-6	o-Xylene	8.7		ug/m ³	0.58	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
179601-23-1	p- & m- Xylenes	23		ug/m ³	1.2	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
622-96-8	* p-Ethyltoluene	8.4		ug/m ³	0.66	1.34	EPA TO-15 Certifications:	05/04/2018 20:03	05/04/2018 20:03	LDS
115-07-1	* Propylene	17		ug/m ³	0.23	1.34	EPA TO-15 Certifications:	05/04/2018 20:03	05/04/2018 20:03	LDS
100-42-5	Styrene	ND		ug/m ³	0.57	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
127-18-4	Tetrachloroethylene	17		ug/m ³	0.23	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
109-99-9	* Tetrahydrofuran	11		ug/m ³	0.79	1.34	EPA TO-15 Certifications:	05/04/2018 20:03	05/04/2018 20:03	LDS
108-88-3	Toluene	35		ug/m ³	0.50	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.53	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.61	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
79-01-6	Trichloroethylene	0.43		ug/m ³	0.18	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	5.8		ug/m ³	0.75	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.47	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.59	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.086	1.34	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 20:03	05/04/2018 20:03	LDS



Sample Information

Client Sample ID: LSV-2

York Sample ID: 18E0130-07

York Project (SDG) No.
18E0130

Client Project ID
100674401

Matrix
Soil Vapor

Collection Date/Time
May 2, 2018 12:00 pm

Date Received
05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	<i>Surrogate: p-Bromofluorobenzene</i>	<i>101 %</i>								



Sample Information

Client Sample ID: LSV-6

York Sample ID: 18E0130-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.99	1.446	EPA TO-15 Certifications:	05/04/2018 21:08	05/04/2018 21:08	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.79	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.99	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.79	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.59	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
95-63-6	1,2,4-Trimethylbenzene	150		ug/m ³	0.71	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.87	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.59	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.67	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.0	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
108-67-8	1,3,5-Trimethylbenzene	75		ug/m ³	0.71	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.96	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.87	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.67	1.446	EPA TO-15 Certifications:	05/04/2018 21:08	05/04/2018 21:08	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.87	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.0	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
78-93-3	2-Butanone	14		ug/m ³	0.43	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	1.2	1.446	EPA TO-15 Certifications:	05/04/2018 21:08	05/04/2018 21:08	LDS



Sample Information

Client Sample ID: LSV-6

York Sample ID: 18E0130-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.3	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
108-10-1	4-Methyl-2-pentanone	14		ug/m ³	0.59	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
67-64-1	Acetone	98		ug/m ³	0.69	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.31	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
71-43-2	Benzene	15		ug/m ³	0.46	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.75	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.97	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
75-25-2	Bromoform	ND		ug/m ³	1.5	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.56	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
75-15-0	Carbon disulfide	42		ug/m ³	0.45	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
56-23-5	Carbon tetrachloride	0.36		ug/m ³	0.23	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.67	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.38	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
67-66-3	Chloroform	1.6		ug/m ³	0.71	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
74-87-3	Chloromethane	1.1		ug/m ³	0.30	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.14	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.66	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
110-82-7	Cyclohexane	5.7		ug/m ³	0.50	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.2	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
75-71-8	Dichlorodifluoromethane	1.4		ug/m ³	0.72	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.0	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
100-41-4	Ethyl Benzene	49		ug/m ³	0.63	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS



Sample Information

Client Sample ID: LSV-6

York Sample ID: 18E0130-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0130

100674401

Soil Vapor

May 2, 2018 12:00 pm

05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.5	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
67-63-0	Isopropanol	15		ug/m ³	0.71	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.59	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.52	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
75-09-2	Methylene chloride	15		ug/m ³	1.0	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
142-82-5	n-Heptane	9.3		ug/m ³	0.59	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
110-54-3	n-Hexane	6.5		ug/m ³	0.51	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
95-47-6	o-Xylene	100		ug/m ³	0.63	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
179601-23-1	p- & m- Xylenes	190		ug/m ³	1.3	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
622-96-8	* p-Ethyltoluene	86		ug/m ³	0.71	1.446	EPA TO-15 Certifications:	05/04/2018 21:08	05/04/2018 21:08	LDS
115-07-1	* Propylene	3.0		ug/m ³	0.25	1.446	EPA TO-15 Certifications:	05/04/2018 21:08	05/04/2018 21:08	LDS
100-42-5	Styrene	ND		ug/m ³	0.62	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
127-18-4	Tetrachloroethylene	4.8		ug/m ³	0.25	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
109-99-9	* Tetrahydrofuran	12		ug/m ³	0.85	1.446	EPA TO-15 Certifications:	05/04/2018 21:08	05/04/2018 21:08	LDS
108-88-3	Toluene	73		ug/m ³	0.54	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.57	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.66	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
79-01-6	Trichloroethylene	1.2		ug/m ³	0.19	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.1		ug/m ³	0.81	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.51	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.63	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.092	1.446	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	05/04/2018 21:08	05/04/2018 21:08	LDS



Sample Information

Client Sample ID: LSV-6

York Sample ID: 18E0130-08

York Project (SDG) No. 18E0130

Client Project ID 100674401

Matrix Soil Vapor

Collection Date/Time May 2, 2018 12:00 pm

Date Received 05/02/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	124 %								



Analytical Batch Summary

Batch ID: BE80358

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18E0130-01	LSV-4	05/04/18
18E0130-02	LSV-3	05/04/18
18E0130-03	Dup-4	05/04/18
18E0130-04	LSV-5	05/04/18
18E0130-04RE1	LSV-5	05/05/18
18E0130-05	LSV-1	05/04/18
18E0130-06	LSV-7	05/04/18
18E0130-07	LSV-2	05/04/18
18E0130-08	LSV-6	05/04/18
BE80358-BLK1	Blank	05/04/18
BE80358-BS1	LCS	05/04/18
BE80358-DUP1	Duplicate	05/04/18

Batch ID: BE80359

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18E0130-05RE1	LSV-1	05/05/18
BE80359-BLK1	Blank	05/05/18
BE80359-BS1	LCS	05/05/18



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80358 - EPA TO15 PREP

Blank (BE80358-BLK1)

Prepared & Analyzed: 05/04/2018

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.099	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.099	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80358 - EPA TO15 PREP

Blank (BE80358-BLK1)

Prepared & Analyzed: 05/04/2018

n-Hexane	ND	0.35	ug/m ³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.064	"								

Surrogate: p-Bromofluorobenzene

9.25

ppbv

10.0

92.5

70-130

LCS (BE80358-BS1)

Prepared & Analyzed: 05/04/2018

1,1,1,2-Tetrachloroethane	9.19		ppbv	10.0		91.9	70-130				
1,1,1-Trichloroethane	7.82		"	10.0		78.2	70-130				
1,1,2,2-Tetrachloroethane	9.06		"	10.0		90.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.39		"	10.0		83.9	70-130				
1,1,2-Trichloroethane	9.40		"	10.0		94.0	70-130				
1,1-Dichloroethane	8.45		"	10.0		84.5	70-130				
1,1-Dichloroethylene	8.35		"	10.0		83.5	70-130				
1,2,4-Trichlorobenzene	9.08		"	10.0		90.8	70-130				
1,2,4-Trimethylbenzene	9.25		"	10.0		92.5	70-130				
1,2-Dibromoethane	9.40		"	10.0		94.0	70-130				
1,2-Dichlorobenzene	8.87		"	10.0		88.7	70-130				
1,2-Dichloroethane	7.61		"	10.0		76.1	70-130				
1,2-Dichloropropane	10.0		"	10.0		100	70-130				
1,2-Dichlorotetrafluoroethane	9.51		"	10.0		95.1	70-130				
1,3,5-Trimethylbenzene	9.08		"	10.0		90.8	70-130				
1,3-Butadiene	9.80		"	10.0		98.0	70-130				
1,3-Dichlorobenzene	9.12		"	10.0		91.2	70-130				
1,3-Dichloropropane	9.39		"	10.0		93.9	70-130				
1,4-Dichlorobenzene	9.35		"	10.0		93.5	70-130				
1,4-Dioxane	12.6		"	10.0		126	70-130				
2-Butanone	7.32		"	10.0		73.2	70-130				
2-Hexanone	11.5		"	10.0		115	70-130				
3-Chloropropene	10.0		"	10.0		100	70-130				
4-Methyl-2-pentanone	9.77		"	10.0		97.7	70-130				
Acetone	7.80		"	10.0		78.0	70-130				
Acrylonitrile	8.19		"	10.0		81.9	70-130				
Benzene	8.14		"	10.0		81.4	70-130				
Benzyl chloride	7.15		"	10.0		71.5	70-130				
Bromodichloromethane	9.46		"	10.0		94.6	70-130				
Bromoform	9.80		"	10.0		98.0	70-130				
Bromomethane	8.86		"	10.0		88.6	70-130				
Carbon disulfide	8.69		"	10.0		86.9	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80358 - EPA TO15 PREP

LCS (BE80358-BS1)

Prepared & Analyzed: 05/04/2018

Carbon tetrachloride	7.80		ppbv	10.0		78.0	70-130				
Chlorobenzene	9.07		"	10.0		90.7	70-130				
Chloroethane	9.34		"	10.0		93.4	70-130				
Chloroform	8.02		"	10.0		80.2	70-130				
Chloromethane	9.47		"	10.0		94.7	70-130				
cis-1,2-Dichloroethylene	7.30		"	10.0		73.0	70-130				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Cyclohexane	9.45		"	10.0		94.5	70-130				
Dibromochloromethane	10.2		"	10.0		102	70-130				
Dichlorodifluoromethane	8.43		"	10.0		84.3	70-130				
Ethyl acetate	8.19		"	10.0		81.9	70-130				
Ethyl Benzene	9.09		"	10.0		90.9	70-130				
Hexachlorobutadiene	7.48		"	10.0		74.8	70-130				
Isopropanol	8.68		"	10.0		86.8	70-130				
Methyl Methacrylate	9.80		"	10.0		98.0	70-130				
Methyl tert-butyl ether (MTBE)	5.70		"	10.0		57.0	70-130	Low Bias			
Methylene chloride	8.06		"	10.0		80.6	70-130				
n-Heptane	9.46		"	10.0		94.6	70-130				
n-Hexane	9.40		"	10.0		94.0	70-130				
o-Xylene	9.55		"	10.0		95.5	70-130				
p- & m- Xylenes	18.1		"	20.0		90.5	70-130				
p-Ethyltoluene	9.67		"	10.0		96.7	70-130				
Propylene	10.1		"	10.0		101	70-130				
Styrene	9.30		"	10.0		93.0	70-130				
Tetrachloroethylene	8.06		"	10.0		80.6	70-130				
Tetrahydrofuran	8.02		"	10.0		80.2	70-130				
Toluene	9.73		"	10.0		97.3	70-130				
trans-1,2-Dichloroethylene	8.64		"	10.0		86.4	70-130				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130				
Trichloroethylene	9.52		"	10.0		95.2	70-130				
Trichlorofluoromethane (Freon 11)	8.09		"	10.0		80.9	70-130				
Vinyl acetate	7.12		"	10.0		71.2	70-130				
Vinyl bromide	9.06		"	10.0		90.6	70-130				
Vinyl Chloride	9.43		"	10.0		94.3	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80358 - EPA TO15 PREP											
Duplicate (BE80358-DUP1)	*Source sample: 18E0130-01 (LSV-4)						Prepared & Analyzed: 05/04/2018				
1,1,1,2-Tetrachloroethane	ND	0.99	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.79	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.99	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.1	"		ND					25	
1,1,2-Trichloroethane	ND	0.79	"		ND					25	
1,1-Dichloroethane	ND	0.59	"		ND					25	
1,1-Dichloroethylene	ND	0.14	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.1	"		1.6					25	
1,2,4-Trimethylbenzene	20	0.71	"		20				0.722	25	
1,2-Dibromoethane	ND	1.1	"		ND					25	
1,2-Dichlorobenzene	ND	0.87	"		ND					25	
1,2-Dichloroethane	ND	0.59	"		ND					25	
1,2-Dichloropropane	ND	0.67	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.0	"		ND					25	
1,3,5-Trimethylbenzene	4.5	0.71	"		4.7				3.08	25	
1,3-Butadiene	ND	0.96	"		ND					25	
1,3-Dichlorobenzene	0.87	0.87	"		1.2				33.3	25	Non-dir.
1,3-Dichloropropane	ND	0.67	"		ND					25	
1,4-Dichlorobenzene	ND	0.87	"		ND					25	
1,4-Dioxane	ND	1.0	"		ND					25	
2-Butanone	6.9	0.43	"		7.1				2.44	25	
2-Hexanone	8.9	1.2	"		8.8				2.01	25	
3-Chloropropene	ND	2.3	"		ND					25	
4-Methyl-2-pentanone	1.9	0.59	"		2.1				8.96	25	
Acetone	7.5	0.69	"		7.8				4.94	25	
Acrylonitrile	ND	0.31	"		ND					25	
Benzene	1.2	0.46	"		1.2				3.92	25	
Benzyl chloride	ND	0.75	"		ND					25	
Bromodichloromethane	1.2	0.97	"		1.2				0.00	25	
Bromoform	ND	1.5	"		ND					25	
Bromomethane	ND	0.56	"		ND					25	
Carbon disulfide	0.54	0.45	"		0.59				8.00	25	
Carbon tetrachloride	0.45	0.23	"		0.45				0.00	25	
Chlorobenzene	ND	0.67	"		ND					25	
Chloroethane	ND	0.38	"		ND					25	
Chloroform	44	0.71	"		47				5.74	25	
Chloromethane	ND	0.30	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.14	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.66	"		ND					25	
Cyclohexane	ND	0.50	"		ND					25	
Dibromochloromethane	ND	1.2	"		ND					25	
Dichlorodifluoromethane	1.5	0.72	"		1.6				4.65	25	
Ethyl acetate	ND	1.0	"		ND					25	
Ethyl Benzene	6.1	0.63	"		6.5				6.00	25	
Hexachlorobutadiene	ND	1.5	"		ND					25	
Isopropanol	3.0	0.71	"		3.3				8.99	25	
Methyl Methacrylate	ND	0.59	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.52	"		ND					25	
Methylene chloride	2.0	1.0	"		2.1				4.88	25	
n-Heptane	1.5	0.59	"		1.5				0.00	25	
n-Hexane	0.76	0.51	"		0.82				6.45	25	



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80358 - EPA TO15 PREP

Duplicate (BE80358-DUP1)	*Source sample: 18E0130-01 (LSV-4)				Prepared & Analyzed: 05/04/2018						
o-Xylene	9.4	0.63	ug/m ³		9.7					3.95	25
p- & m- Xylenes	31	1.3	"		32					5.78	25
p-Ethyltoluene	14	0.71	"		14					2.51	25
Propylene	ND	0.25	"		ND						25
Styrene	ND	0.62	"		ND						25
Tetrachloroethylene	11	0.25	"		11					3.64	25
Tetrahydrofuran	1.2	0.85	"		1.2					3.51	25
Toluene	18	0.54	"		19					3.78	25
trans-1,2-Dichloroethylene	ND	0.57	"		ND						25
trans-1,3-Dichloropropylene	ND	0.66	"		ND						25
Trichloroethylene	0.54	0.19	"		0.70					25.0	25
Trichlorofluoromethane (Freon 11)	1.1	0.81	"		1.1					7.41	25
Vinyl acetate	ND	0.51	"		ND						25
Vinyl bromide	ND	0.63	"		ND						25
Vinyl Chloride	ND	0.092	"		ND						25
Surrogate: p-Bromofluorobenzene	9.61		ppbv	10.0		96.1	70-130				

Batch BE80359 - EPA TO15 PREP

Blank (BE80359-BLK1)	Prepared & Analyzed: 05/05/2018										
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80359 - EPA TO15 PREP

Blank (BE80359-BLK1)

Prepared & Analyzed: 05/05/2018

Carbon disulfide	ND	0.31	ug/m ³									
Carbon tetrachloride	ND	0.16	"									
Chlorobenzene	ND	0.46	"									
Chloroethane	ND	0.26	"									
Chloroform	ND	0.49	"									
Chloromethane	ND	0.21	"									
cis-1,2-Dichloroethylene	ND	0.099	"									
cis-1,3-Dichloropropylene	ND	0.45	"									
Cyclohexane	ND	0.34	"									
Dibromochloromethane	ND	0.85	"									
Dichlorodifluoromethane	ND	0.49	"									
Ethyl acetate	ND	0.72	"									
Ethyl Benzene	ND	0.43	"									
Hexachlorobutadiene	ND	1.1	"									
Isopropanol	ND	0.49	"									
Methyl Methacrylate	ND	0.41	"									
Methyl tert-butyl ether (MTBE)	ND	0.36	"									
Methylene chloride	ND	0.69	"									
n-Heptane	ND	0.41	"									
n-Hexane	ND	0.35	"									
o-Xylene	ND	0.43	"									
p- & m- Xylenes	ND	0.87	"									
p-Ethyltoluene	ND	0.49	"									
Propylene	ND	0.17	"									
Styrene	ND	0.43	"									
Tetrachloroethylene	ND	0.17	"									
Tetrahydrofuran	ND	0.59	"									
Toluene	ND	0.38	"									
trans-1,2-Dichloroethylene	ND	0.40	"									
trans-1,3-Dichloropropylene	ND	0.45	"									
Trichloroethylene	ND	0.13	"									
Trichlorofluoromethane (Freon 11)	ND	0.56	"									
Vinyl acetate	ND	0.35	"									
Vinyl bromide	ND	0.44	"									
Vinyl Chloride	ND	0.064	"									

Surrogate: p-Bromofluorobenzene	9.76		ppbv	10.0		97.6	70-130					
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Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BE80359 - EPA TO15 PREP

LCS (BE80359-BS1)

Prepared & Analyzed: 05/05/2018

1,1,1,2-Tetrachloroethane	9.70		ppbv	10.0		97.0	70-130					
1,1,1-Trichloroethane	8.07		"	10.0		80.7	70-130					
1,1,2,2-Tetrachloroethane	9.45		"	10.0		94.5	70-130					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.52		"	10.0		85.2	70-130					
1,1,2-Trichloroethane	9.68		"	10.0		96.8	70-130					
1,1-Dichloroethane	8.63		"	10.0		86.3	70-130					
1,1-Dichloroethylene	8.33		"	10.0		83.3	70-130					
1,2,4-Trichlorobenzene	9.74		"	10.0		97.4	70-130					
1,2,4-Trimethylbenzene	9.66		"	10.0		96.6	70-130					
1,2-Dibromoethane	9.70		"	10.0		97.0	70-130					
1,2-Dichlorobenzene	9.23		"	10.0		92.3	70-130					
1,2-Dichloroethane	7.75		"	10.0		77.5	70-130					
1,2-Dichloropropane	10.4		"	10.0		104	70-130					
1,2-Dichlorotetrafluoroethane	9.42		"	10.0		94.2	70-130					
1,3,5-Trimethylbenzene	9.42		"	10.0		94.2	70-130					
1,3-Butadiene	9.82		"	10.0		98.2	70-130					
1,3-Dichlorobenzene	9.56		"	10.0		95.6	70-130					
1,3-Dichloropropane	9.64		"	10.0		96.4	70-130					
1,4-Dichlorobenzene	9.70		"	10.0		97.0	70-130					
1,4-Dioxane	12.8		"	10.0		128	70-130					
2-Butanone	7.53		"	10.0		75.3	70-130					
2-Hexanone	11.5		"	10.0		115	70-130					
3-Chloropropene	10.1		"	10.0		101	70-130					
4-Methyl-2-pentanone	9.93		"	10.0		99.3	70-130					
Acetone	8.00		"	10.0		80.0	70-130					
Acrylonitrile	8.56		"	10.0		85.6	70-130					
Benzene	8.40		"	10.0		84.0	70-130					
Benzyl chloride	7.41		"	10.0		74.1	70-130					
Bromodichloromethane	9.76		"	10.0		97.6	70-130					
Bromoform	10.2		"	10.0		102	70-130					
Bromomethane	8.94		"	10.0		89.4	70-130					
Carbon disulfide	8.81		"	10.0		88.1	70-130					
Carbon tetrachloride	7.99		"	10.0		79.9	70-130					
Chlorobenzene	9.50		"	10.0		95.0	70-130					
Chloroethane	9.43		"	10.0		94.3	70-130					
Chloroform	8.21		"	10.0		82.1	70-130					
Chloromethane	9.23		"	10.0		92.3	70-130					
cis-1,2-Dichloroethylene	8.84		"	10.0		88.4	70-130					
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130					
Cyclohexane	9.67		"	10.0		96.7	70-130					
Dibromochloromethane	10.6		"	10.0		106	70-130					
Dichlorodifluoromethane	8.30		"	10.0		83.0	70-130					
Ethyl acetate	8.45		"	10.0		84.5	70-130					
Ethyl Benzene	9.50		"	10.0		95.0	70-130					
Hexachlorobutadiene	7.81		"	10.0		78.1	70-130					
Isopropanol	8.91		"	10.0		89.1	70-130					
Methyl Methacrylate	10.1		"	10.0		101	70-130					
Methyl tert-butyl ether (MTBE)	5.95		"	10.0		59.5	70-130	Low Bias				
Methylene chloride	8.17		"	10.0		81.7	70-130					
n-Heptane	9.73		"	10.0		97.3	70-130					
n-Hexane	9.57		"	10.0		95.7	70-130					



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

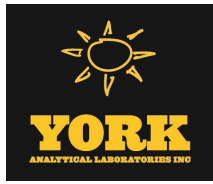
Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	%REC			Limit			

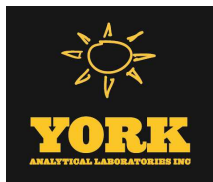
Batch BE80359 - EPA TO15 PREP

LCS (BE80359-BS1)

Prepared & Analyzed: 05/05/2018

o-Xylene	9.92		ppbv	10.0		99.2	70-130					
p- & m- Xylenes	18.9		"	20.0		94.4	70-130					
p-Ethyltoluene	10.1		"	10.0		101	70-130					
Propylene	9.89		"	10.0		98.9	70-130					
Styrene	9.75		"	10.0		97.5	70-130					
Tetrachloroethylene	8.33		"	10.0		83.3	70-130					
Tetrahydrofuran	8.24		"	10.0		82.4	70-130					
Toluene	10.0		"	10.0		100	70-130					
trans-1,2-Dichloroethylene	8.74		"	10.0		87.4	70-130					
trans-1,3-Dichloropropylene	10.4		"	10.0		104	70-130					
Trichloroethylene	9.86		"	10.0		98.6	70-130					
Trichlorofluoromethane (Freon 11)	8.13		"	10.0		81.3	70-130					
Vinyl acetate	7.39		"	10.0		73.9	70-130					
Vinyl bromide	9.09		"	10.0		90.9	70-130					
Vinyl Chloride	9.46		"	10.0		94.6	70-130					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>70-130</i>					





Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to detected analytes only.

Definitions and Other Explanations

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

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

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

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



Certification for pH is no longer offered by NYDOH ELAP.

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

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



Field Chain-of-Custody Record - AIR

Page 1 of 1
 York Project No. 18E0130

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

YOUR Information Company: <u>LANGAN</u> Address: <u>300 KIMBALL DR</u> <u>PARSIPPANY, NJ</u> Phone No. <u>973 560 4900</u> Contact Person: <u>AMANDA FORSBURG</u> E-Mail Address: <u>a.forsburg@langan.com</u>		Report To: Company: <u>SAME</u> Address: <u>SAME</u> Phone No. <u>SAME</u> Attention: <u>SAME</u> E-Mail Address: <u>SAME</u>		Invoice To: Company: <u>SAME</u> Address: <u>SAME</u> Phone No. <u>SAME</u> Attention: <u>SAME</u> E-Mail Address: <u>SAME</u>		YOUR Project ID <u>COVENANT HOUSE</u> Purchase Order No. <u>100674461</u> Samples from: CT <u>NY</u> <u>X</u> NJ		Turn-Around Time <input type="checkbox"/> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day Standard(5-7 Days) <input checked="" type="checkbox"/>		Report Type/Deliverables Summary Report Summary w/ QA Summary CT RCP Package <input checked="" type="checkbox"/> NY ASP A Package <input checked="" type="checkbox"/> NY ASP B/CLP Pkg <input checked="" type="checkbox"/> NJDEP Reduced Electronic Deliverables: EDD (Specify Type) Standard Excel Regulatory Comparison Excel	
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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.

Additional Notes: Sdcy Firm TAT

Detection Limits Required
 ≤ 1 ug/m³
 NYSDEC VI Limits
 (VI = vapor intrusion)
 NJDEP low level
 Routine Survey
 Other

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Canister ID	Flow Cont. ID	ANALYSES REQUESTED	Sampling Media
LSV-4	5/2/18	AS	30" Hg	3" Hg			VOCs (T0-15)	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
LSV-3	5/2/18	AS	30" Hg	2	23797	Y2	VOCs (T0-15)	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
Dup-4	5/2/18	AS	29" Hg	3	14193	6864	VOCs	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
LSV-5	5/2/18	AS	30" Hg	5	15545	7084	VOCs (T0-15)	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
LSV-1	5/2/18	AS	30" Hg	1	28305	15413	VOCs (T0-15)	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
LSV-7	5/2/18	AS	28" Hg	3	463	7418	VOCs (T0-15)	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
LSV-2	5/2/18	AS	20" Hg	2	23994	5415	VOCs (T0-15)	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag
LSV-6	5/2/18	AS	27" Hg	2	20853	5612	VOCs (T0-15)	6 Liter canister <input checked="" type="checkbox"/> Tedlar Bag

Comments

Samples Relinquished By: AKW Date/Time: 5/2/18 1650
 Samples Received By: AKW Date/Time: 5/2/18 1845

Samples Relinquished By: AKW Date/Time: 5/2/18 1845
 Samples Received in LAB by: AKW Date/Time: 5/2/18 1845