

3 July 2019

Mr. Matthew Lawrence
280 W 155 St Owner LLC
c/o Criterion Group LLC
28-18 Steinway Street
Astoria, NY 11103

**Re: Environmental Soil Pre-Characterization Results
Proposed 280 West 155th Street Development (the "Project")
Block 2040, Lot 48
New York, New York
Langan Project No.: 100765101**

Dear Mr. Lawrence:

On 25 and 26 March 2019, Langan conducted environmental soil pre-characterization sampling at the above-referenced property in order to assess soil disposal options. The site consists of an approximately 37,500-square-foot parcel occupied by an asphalt-paved parking lot defined as Block 2040, Lot 48 (formerly Lots 48, 61, and 62) by the New York City Department of Finance (NYCDOF). A site location map is provided as Figure 1. The site is bordered by Frederick Douglass Boulevard to the west, West 155th Street and the elevated 155th Street Viaduct associated with the Macomb's Dam Bridge to the north, an asphalt-paved parking lot to the east, and two single-story commercial/industrial buildings including a Toyota Automotive Repair facility and Ferguson Plumbing Supply store, two four-story mixed-use residential/commercial buildings, and two four- to six-story residential buildings to the south. Soil samples were collected from environmental soil borings from appropriate depths and locations to allow for prospective excavation contractors to assess disposal costs for the soil that will be removed between 0 to 12 feet below ground surface (bgs) during the proposed site construction. At the time field activities were completed, the proposed development included the construction of a 2- to 3-story self-storage building with one basement level, occupying about 30,000 square-feet of the site. The remainder of the site is proposed to be utilized as at-grade parking.

Project Scope

Based on borings completed during the geotechnical investigation and pre-characterization soil sampling completed by Langan, subsurface conditions consist of a 12- to 25-foot thick layer of fill material that contains fine to coarse sand with varying proportions of silt and gravel and miscellaneous debris, including brick, wood, asphalt, plastic, and metal. During the pre-characterization sampling, groundwater was encountered at approximately 6 to 8 feet bgs.

At the time field activities were completed, the proposed development included the construction of a 2- to 3-story self-storage building with one basement level, occupying about 30,000

square-feet of the site. The remainder of the site is proposed to be utilized as at-grade parking.

Based on requirements of most soil disposal facilities commonly used for New York development projects, one characterization sample is required per 800 cubic yards (cu. yds.) of soil disposal. As such, soil samples collected during the soil pre-characterization are provided for characterization of approximately 12,000 cu. yds of soil/fill material between 0 and 12 feet bgs; additionally, one characterization sample was collected from 12 to 16 feet bgs to characterize material in the vicinity of the proposed elevator pit.

Sampling Procedures

During the March 2019 sampling event, Langan collected 15 composite soil samples (WC-1A/B through WC-7A/B and WC-8) from 22 soil borings (LSB-1 through LSB-22). Samples WC-1A through WC-7A were collected from between 0 and 6 feet bgs and samples WC-1B through WC-7B were collected from between 6 and 12 feet bgs; sample WC-8 was collected from between 12 and 16 feet bgs to characterize soil within the proposed elevator pit excavation. Each composite sample was obtained by compositing at least five discrete soil samples collected from the appropriate depth interval from within three test borings.

Soil sample locations are shown on Figure 2, and laboratory results are summarized in Table 1. Laboratory analytical data packages are provided as Attachment 1.

The composite soil samples were thoroughly homogenized (with exception of the samples collected for VOCs), and placed directly into the appropriate laboratory-supplied sampling containers. For each composite sample collected, one discrete sample for volatile organic compounds (VOCs) was collected from a 6-inch interval within one of the test borings. The following table provides a summary of sample locations and depths.

| Pre-Characterization Samples | | | | |
|-------------------------------------|---|--|---|--|
| Sample ID | Test Boring Composite Samples Collected from (ft bgs)* | Composite Sample Depths (ft bgs)* | Discrete VOC Sample Collected From | Discrete VOC Sample Depth (ft bgs)* |
| WC-1A | LSB-1, LSB-2, LSB-3 | 0 to 6 | LSB-3 | 3.5 to 4 |
| WC-2A | LSB-4, LSB-5, LSB-6 | 0 to 6 | LSB-6 | 5.5 to 6 |
| WC-3A | LSB-7, LSB-8, LSB-9 | 0 to 6 | LSB-9 | 3.5 to 4 |
| WC-4A | LSB-10, LSB-11, LSB-12 | 0 to 6 | LSB-12 | 0.5 to 1 |
| WC-5A | LSB-13, LSB-14, LSB-15 | 0 to 6 | LSB-15 | 1.5 to 2 |
| WC-6A | LSB-16, LSB-17, LSB-18 | 0 to 6 | LSB-18 | 1.5 to 2 |

| Pre-Characterization Samples | | | | |
|-------------------------------------|---------------------------|----------|--------|------------|
| WC-7A | LSB-19, LSB-20, LSB-21 | 0 to 6 | LSB-21 | 2.5 to 3 |
| WC-1B | LSB-1, LSB-2, LSB-3 | 6 to 12 | LSB-3 | 11.5 to 12 |
| WC-2B | LSB-4, LSB-5, LSB-6 | 6 to 12 | LSB-6 | 6.5 to 7 |
| WC-3B | LSB-7, LSB-8, LSB-9 | 6 to 12 | LSB-7 | 7.5 to 8 |
| WC-4B | LSB-10, LSB-11, LSB-12 | 6 to 12 | LSB-12 | 10.5 to 11 |
| WC-5B | LSB-13, LSB-14, LSB-15 | 6 to 12 | LSB-15 | 6 to 6.5 |
| WC-6B | LSB-16, LSB-17, LSB-18 | 6 to 12 | LSB-18 | 9.5 to 10 |
| WC-7B | LSB-19, LSB-20, LSB-21 | 6 to 12 | LSB-21 | 9.5 to 10 |
| WC-8 | LSB-22 | 12 to 16 | LSB-22 | 14.5 to 15 |

*ft bgs – feet below ground surface

Soil samples were analyzed by York Analytical Laboratories, Inc. (York) of Stratford, Connecticut (a New York ELAP-certified laboratory) for VOCs, semi-volatile organic compounds (SVOCs), pesticides, herbicides, Target Analyte List (TAL) metals including cyanide and hexavalent chromium, polychlorinated biphenyls (PCBs), extractable petroleum hydrocarbons (EPH) spiked for fractionation, full toxicity characteristic leaching procedure (TCLP) analyses, and Resource Conservation Recovery Act (RCRA) hazardous waste characteristics. These parameters were selected in order to meet the requirements for most of the disposal facilities that are commonly used by contractors in the New York City area.

Field Observations and Sampling Results

Evidence of petroleum impacts including the presence of product and/or sheen and odor were encountered in soil at 5 of 22 soil boring locations at depths ranging from 6- to 12-feet bgs in the eastern-central portion of the site including LSB-4, LSB-5, LSB-6, LSB-7, LSB-9.

Analytical results were compared to the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (SCOs), Pennsylvania Clean Fill Limits (PACFLs), New Jersey Department of Environmental Protection (NJDEP) Residential Direct Contact (RDC) Soil Remediation Standards (SRS), NJDEP Non-Residential Direct Contact (NRDC) SRS, and the United States Environmental Protection Agency (USEPA) regulatory levels for hazardous materials. Laboratory analytical results revealed exceedances of applicable criteria in all 15 samples collected and are discussed below.

VOCs

Exceedances of applicable criteria for VOCs were detected in samples WC-2A, WC-2B, WC-3B, WC-4A, WC-5B, and WC-8. Exceedances of the NYSDEC Unrestricted Use SCOs for VOCs

were detected including 1,2,4-trimethylbenzene and total xylenes in sample WC-2A, 2-butanone in sample WC-2B, and acetone in samples WC-4A, WC-5B and WC-8. Exceedances of the PACFLs for VOCs were detected for 1,2,4-trimethylbenzene in WC-2A and for bromomethane in WC-2B and WC-3B. No other VOCs were detected above applicable criteria in any of the soil samples analyzed. Exceedances of the NJDEP RDCSRS or NRDCSRS for VOCs were not detected in any samples.

SVOCs

Exceedances of applicable criteria for SVOCs were detected in all samples with the exception of WC-1A, WC-1B, WC-3B, WC-6B, and WC-7B. Exceedances of the NYSDEC Unrestricted Use SCOs for SVOCs were detected including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene in WC-4A, WC-4B, WC-5A, WC-5B, WC-6A, and WC-7A. Additional exceedances of the NYSDEC Unrestricted Use SCOs for SVOCs included chrysene in WC-2A and WC-2B, indeno(1,2,3-cd)pyrene in WC-3A and WC-8, benzo(a)anthracene in WC-8, and benzo(a)pyrene in WC-2B, WC-3A, and WC-8.

Exceedances of the NJDEP RDCSRS were detected for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene in WC-4A, WC-4B, WC-5A and WC-7A; exceedances for benzo(a)pyrene were also detected in WC-2B, WC-3A, WC-5B, WC-6A, and WC-8. Dibenz(a,h)anthracene was detected above the NJDEP RDCSRS in WC-4A, WC-4B, WC-5A, WC-5B, WC-6A, and WC-7A, and indeno(1,2,3-cd)pyrene was detected above the NJDEP RDCSRS in WC-4A, WC-4B, WC-5A, and WC-7A. Exceedances of the NJDEP NRDCSRS were detected for benzo(a)pyrene in WC-4A, WC-4B, WC-5A, WC-5B, WC-6A and WC-7A and for dibenzo(a,h)anthracene in WC-5A.

Exceedances of the PACFLs were detected for benzo(a)pyrene in WC-4A, WC-4B, WC-5B, WC-6A and WC-7A, and for benzo(a)pyrene and dibenzo(a,h)anthracene in WC-5A.

Pesticides

An exceedance of the NYSDEC Unrestricted Use SCO for 4,4'-DDT was detected in WC-7A. No other pesticides were detected above applicable criteria in any of the soil samples analyzed.

PCBs

An exceedance of the NYSDEC Unrestricted Use SCO was detected for Aroclor 1254 and total PCBs in WC-6A. No other PCBs were detected above applicable criteria in any of the soil samples analyzed.

EPH

Exceedances of the NJDEP RDCSRS and NRDCSRS were detected for NJDEP EPH in WC-2A and WC-2B. No other detections of EPH were detected above applicable criteria in any of the soil samples analyzed.

Metals

Metals were detected in exceedance of applicable criteria in all samples. Exceedances of the NYSDEC Unrestricted Use SCOs were detected for lead and mercury in all samples collected. Copper, nickel, and zinc were detected above the NYSDEC Unrestricted Use SCOs in WC-2A and WC-7B and exceedances for barium, copper, and zinc were detected in WC-4A and WC-7A. Copper and zinc were also detected above the NYSDEC Unrestricted SCOs in WC-1A, WC-4B, WC-6A, WC-6B, and WC-8; exceedances of copper only were detected in WC-3B and WC-5B and of zinc only in WC-1B and WC-3A. Nickel and zinc were detected above the NYSDEC Unrestricted Use SCOs in WC-5A and total chromium was detected exceeding the NYSDEC Unrestricted Use SCOs in WC-7A.

Exceedances of the NJDEP RDCSRS were detected for lead in WC-2A, WC-4A, WC-6A, WC-6B, and WC-7A, for vanadium in WC-1A, WC-2A and WC-7B, and for zinc in WC-7A. Lead was also detected in exceedance of the NJDEP NRDCSRS in WC-4A and WC-7A, and zinc in WC-7A. Exceedances of the PACFLs were detected for lead in WC-4A, WC-6A, WC-6B and WC-7A, for arsenic in WC-4A, and for cobalt in all samples with the exception of WC-2A, WC-2B, WC-5A and WC-7A. No other metals were detected above applicable criteria in any of the other soil samples analyzed.

No exceedances of the applicable criteria were detected for herbicides. Additionally, analytical results for the TCLP analyses and RCRA characteristics were not detected above the criteria for a hazardous waste.

Conclusions

Laboratory analytical results revealed exceedances of applicable criteria in all 15 samples collected.

Exceedances of the applicable criteria for VOCs were detected in samples WC-2A, WC-2B, WC-3B, WC-4A, WC-5B, and WC-8. Exceedances for the applicable criteria for SVOCs were detected in all samples with the exception of WC-1A, WC-1B, WC-3B, WC-6B, and WC-7B. Exceedances of the applicable criteria for pesticides were not detected in any samples with the exception of WC-7A. Exceedances of the applicable criteria for PCBs were not detected in any samples with the exception of WC-6A. Exceedances of the applicable criteria for NJDEP EPH were not detected in any samples with the exception of WC-2A and WC-2B. Exceedances of the applicable criteria for metals were detected in all samples.

No exceedances were detected for any of the applicable criteria for herbicides. Additionally, analytical results from the TCLP analyses and RCRA characteristics were not detected above the criteria for hazardous waste.

Analytical results of the soil waste pre-characterization investigation revealed the following:

- Material in the following samples meets the NYSDEC Unrestricted Use SCOs for disposal as contaminated non-hazardous material at a **regulated end-use facility**: None.
- Material in the following samples exceeds the NYSDEC Unrestricted Use SCOs for disposal as contaminated non-hazardous material at a **regulated end-use facility**: WC-1A, WC-1B, WC-2A, WC-2B, WC-3A, WC-3B, WC-4A, WC-4B, WC-5A, WC-5B, WC-6A, WC-6B, WC-7A, WC-7B, and WC-8.
- Material in the following samples meets the PACFLs for disposal as contaminated non-hazardous material at a **regulated end-use facility**: None.
- Material in the following samples exceeds the PACFLs for disposal as contaminated non-hazardous material at a **regulated end-use facility**: WC-1A, WC-1B, WC-2A, WC-2B, WC-3A, WC-3B, WC-4A, WC-4B, WC-5A, WC-5B, WC-6A, WC-6B, WC-7A, WC-7B and WC-8.
- Material in the following samples meets the NJDEP RDCSRS for disposal as contaminated non-hazardous material at a **regulated end-use facility**: WC-1B and WC-3B.
- Material in the following samples exceeds the NJDEP RDCSRS for disposal as contaminated non-hazardous material at a **regulated end-use facility**: WC-1A, WC-2A, WC-2B, WC-3A, WC-4A, WC-4B, WC-5A, WC-5B, WC-6A, WC-6B, WC-7A, WC-7B, and WC-8.
- Material in the following samples meets the NJDEP NRDCSRS for disposal as contaminated non-hazardous material at a **regulated end-use facility**: WC-1A, WC-1B, WC-3A, WC-3B, WC-6B, WC-7B and WC-8.
- Material in the following samples exceeds the NJDEP NRDCSRS for disposal as contaminated non-hazardous material at a **regulated end-use facility**: WC-2A, WC-2B, WC-4A, WC-4B, WC-5A, WC-5B, WC-6A and WC-7A.

Disposal of material to a recycling facility or any other facility that would subsequently transport material to multiple unregulated sites (i.e., residential sites) is not a permitted disposal action.

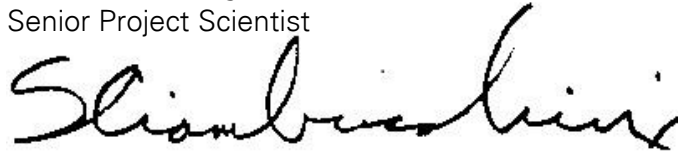
The data provided is sufficient for contractors to assess disposal options and costs; however, some additional analysis may be required by the disposal facilities to meet standard volume characterization requirements. In order to avoid duplicate sampling or generation of data inconsistent with the quality assurance/quality control requirements for this site under the current regulatory framework, ***no additional sampling should be conducted without review of the proposed sampling plan by Langan. If additional sampling is required please provide the required number of additional samples and required parameters to Langan for completion of the required sampling and analysis.*** Review and approval of selected disposal facilities by Langan, 280 W 155 St Owner LLC will be required prior to the shipment of any material off-site.

Please call us with any questions regarding this report.

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



Amanda Forsburg, CHMM
Senior Project Scientist



Steven A. Ciambruschini, P.G., L.E.P.
Principal / Vice President

AF:SAC

Attachments: Table 1 – Soil Analytical Results
Figures 1 and 2
Attachment 1 - Complete Laboratory Analytical Packages

cc: Allyson Kritzer, Chris McMahon, Keith Herman, Satyajit Vaidya – Langan

\\Langan.com\data\PAR\data\1\100765101\Project Data\Discipline\Environmental\Reports\2019-07 - Waste Characterization Letter Report\280 West 155th Street
Waste Characterization Letter (2019-07-03).docx

TABLES

TABLE 1
WASTE CHARACTERIZATION ANALYTICAL RESULTS
280 West 155th Street
 New York, NY

| Sample ID: Lab ID: Sampling Date: Sample Depth (VOC Sample Depth) (ft bgs): Units: | CAS Number | NJDEP SRP Non-Residential Direct Contact SRS | NJDEP SRP Residential Direct Contact SRS | NYSDEC Unrestricted Use Soil Cleanup Objectives | PADEP Clean Fill Limits | USEPA Hazardous Waste Limits | WC-1A 19C1054-01 3/25/2019 0 - 6 (3.5 - 4.0) | WC-1B 19C1054-02 3/25/2019 6 - 12 (11.5 - 12.0) | WC-2A 19C1054-03 3/25/2019 0 - 6 (5.5-6.0) | WC-2B 19C1054-04 3/25/2019 6 - 12 (6.5 - 7.0) | WC-3A 19C1054-05 3/25/2019 0 - 6 (3.5 - 4.0) | WC-3B 19C1054-06 3/25/2019 6 - 12 (7.5 - 8.0) | WC-4A 19C1054-08 3/25/2019 0 - 6 (0.5 - 1.0) | WC-4B 19C1054-09 3/25/2019 6 - 12 (10.5 - 11.0) |
|--|------------|--|--|---|-------------------------|------------------------------|---|--|---|--|---|--|---|--|
| | | mg/kg | mg/kg | mg/kg | mg/kg | mg/L | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| Semi-Volatiles, TCLP RCRA Target List | | | | | | | | | | | | | | |
| 2,4,5-Trichlorophenol | 95-95-4 | — | — | — | — | 400 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| 2,4,6-Trichlorophenol | 88-06-2 | — | — | — | — | 2 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| 2,4-Dinitrotoluene | 121-14-2 | — | — | — | — | 0.13 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| 2-Methylphenol | 95-48-7 | — | — | — | — | 200 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| 3- & 4-Methylphenols | 65794-96-9 | — | — | — | — | 200 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| Cresols, total | 1319-77-3 | — | — | — | — | 200 | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U |
| Hexachlorobenzene | 118-74-1 | — | — | — | — | 0.13 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| Hexachlorobutadiene | 87-68-3 | — | — | — | — | 0.5 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| Hexachloroethane | 67-72-1 | — | — | — | — | 3 | 0.0025 U | 0.0025 U | 0.0025 U | 0.0025 U | 0.0025 U | 0.0025 U | 0.0025 U | 0.0025 U |
| Nitrobenzene | 98-95-3 | — | — | — | — | 2 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| Pentachlorophenol | 87-86-5 | — | — | — | — | 100 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| Pyridine | 110-86-1 | — | — | — | — | 5 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| Herbicides | | | | | | | | | | | | | | |
| 2,4,5-T | 93-76-5 | — | — | — | 1.5 | — | 0.0234 U | 0.0254 U | 0.0266 U | 0.021 U | 0.0247 U | 0.0233 U | 0.0246 U | 0.0262 U |
| 2,4,5-TP (Silvex) | 93-72-1 | — | — | 3.8 | 22 | — | 0.0234 U | 0.0254 U | 0.0266 U | 0.021 U | 0.0247 U | 0.0233 U | 0.0246 U | 0.0262 U |
| 2,4-D | 94-75-7 | — | — | — | 1.8 | — | 0.0234 U | 0.0254 U | 0.0266 U | 0.021 U | 0.0247 U | 0.0233 U | 0.0246 U | 0.0262 U |
| Herbicides, TCLP Target List | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 93-72-1 | — | — | — | — | 1 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| 2,4-D | 94-75-7 | — | — | — | — | 10 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U |
| PCBs | | | | | | | | | | | | | | |
| Aroclor 1016 | 12674-11-2 | 1 | 0.2 | 0.1 | 15 | — | 0.0197 U | 0.0212 U | 0.0223 U | 0.0175 U | 0.0205 U | 0.0195 U | 0.0206 U | 0.0218 U |
| Aroclor 1221 | 11104-28-2 | 1 | 0.2 | 0.1 | 0.63 | — | 0.0197 U | 0.0212 U | 0.0223 U | 0.0175 U | 0.0205 U | 0.0195 U | 0.0206 U | 0.0218 U |
| Aroclor 1232 | 11141-16-5 | 1 | 0.2 | 0.1 | 0.5 | — | 0.0197 U | 0.0212 U | 0.0223 U | 0.0175 U | 0.0205 U | 0.0195 U | 0.0206 U | 0.0218 U |
| Aroclor 1242 | 53469-21-9 | 1 | 0.2 | 0.1 | 16 | — | 0.0197 U | 0.0212 U | 0.0223 U | 0.0175 U | 0.0205 U | 0.0195 U | 0.0206 U | 0.0218 U |
| Aroclor 1248 | 12672-29-6 | 1 | 0.2 | 0.1 | 9.9 | — | 0.0197 U | 0.0212 U | 0.0223 U | 0.0175 U | 0.0205 U | 0.0195 U | 0.0206 U | 0.0218 U |
| Aroclor 1254 | 11097-69-1 | 1 | 0.2 | 0.1 | 4.4 | — | 0.0197 U | 0.0212 U | 0.0223 U | 0.0175 U | 0.0205 U | 0.0195 U | 0.0206 U | 0.0218 U |
| Aroclor 1260 | 11096-82-5 | 1 | 0.2 | 0.1 | 30 | — | 0.0197 U | 0.0212 U | 0.0223 U | 0.0175 U | 0.0205 U | 0.0195 U | 0.0206 U | 0.0218 U |
| Total PCBs | 1336-36-3 | 1 | 0.2 | 0.1 | — | — | 0.0197 U | 0.0212 U | 0.0223 U | 0.0175 U | 0.0205 U | 0.0195 U | 0.0206 U | 0.0218 U |
| Pesticides | | | | | | | | | | | | | | |
| 4,4'-DDD | 72-54-8 | 13 | 3.0 | 0.0033 | 6.8 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| 4,4'-DDE | 72-55-9 | 9 | 2.0 | 0.0033 | 41 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| 4,4'-DDT | 50-29-3 | 8 | 2.0 | 0.0033 | 53 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Aldrin | 309-00-2 | 0.2 | 0.0 | 0.005 | 0.1 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| alpha-BHC | 319-84-6 | 0.5 | 0.1 | 0.02 | 0.046 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| beta-BHC | 319-85-7 | 2 | 0.4 | 0.036 | 0.22 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Chlordane, total | 57-74-9 | 1 | 0.2 | — | 49 | — | 0.039 U | 0.042 U | 0.0442 U | 0.0347 U | 0.0406 U | 0.0386 U | 0.0408 U | 0.0432 U |
| cis-Chlordane | 5103-71-9 | 1 | 0.2 | — | 49 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| delta-BHC | 319-86-8 | — | — | 0.04 | 11 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Dieldrin | 60-57-1 | 0.2 | 0.04 | 0.005 | 0.11 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Endosulfan I | 959-98-8 | 6,800 | 470.0 | 2.4 | 110 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Endosulfan II | 33213-65-9 | 6,800 | 470.0 | 2.4 | 130 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Endosulfan sulfate | 1031-07-8 | 6,800 | 470.0 | 2.4 | 70 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Endrin | 72-20-8 | 340 | 23.0 | 0.014 | 5.5 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Endrin aldehyde | 7421-93-4 | — | — | — | — | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Endrin ketone | 53494-70-5 | — | — | — | — | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| gamma-BHC (Lindane) | 58-89-9 | 2 | 0.4 | 0.1 | 0.072 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Heptachlor | 76-44-8 | 0.7 | 0.1 | 0.042 | 0.68 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Heptachlor epoxide | 1024-57-3 | 0.3 | 0.1 | — | 1.1 | — | 0.00195 U | 0.0021 U | 0.00221 U | 0.00174 U | 0.00203 U | 0.00193 U | 0.00204 U | 0.00216 U |
| Methoxychlor | 72-43-5 | 5,700 | 390.0 | — | 630 | — | 0.00975 U | 0.0105 U | 0.0111 U | 0.00869 U | 0.0102 U | 0.00965 U | 0.0102 U | 0.0108 U |
| Toxaphene | 8001-35-2 | 3 | 0.6 | — | 1.2 | — | 0.0987 U | 0.106 U | 0.112 U | 0.0879 U | 0.103 U | 0.0977 U | 0.103 U | 0.109 U |
| Pesticides, TCLP RCRA List | | | | | | | | | | | | | | |
| Chlordane, total | 57-74-9 | — | — | — | — | 0.03 | 0.00222 U | 0.00222 U | 0.00222 U | 0.00222 U | 0.00222 U | 0.00222 U | 0.00222 U | 0.00222 U |
| Endrin | 72-20-8 | — | — | — | — | 0.02 | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U |
| gamma-BHC (Lindane) | 58-89-9 | — | — | — | — | 0.4 | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U |
| Heptachlor | 76-44-8 | — | — | — | — | 0.008 | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U |
| Methoxychlor | 72-43-5 | — | — | — | — | 10 | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U |
| Toxaphene | 8001-35-2 | — | — | — | — | 0.5 | 0.00111 U | 0.00111 U | 0.00111 U | 0.00111 U | 0.00111 U | 0.00111 U | 0.00111 U | 0.00111 U |
| NJDEP EPH* | | | | | | | | | | | | | | |
| Total EPH- Category 2 | | 1,700 | 1,700 | — | — | — | 66.1 | 62.8 | 3530 | 1840 | 548 | 980 | 262 | 989 |

TABLE 1
WASTE CHARACTERIZATION ANALYTICAL RESULTS
280 West 155th Street
 New York, NY

| Sample ID: Lab ID: Sampling Date: Sample Depth (VOC Sample Depth) (ft bgs): Units: | CAS Number | NJDEP SRP Non-Residential Direct Contact SRS | NJDEP SRP Residential Direct Contact SRS | NYSDEC Unrestricted Use Soil Cleanup Objectives | PADEP Clean Fill Limits | USEPA Hazardous Waste Limits | WC-1A 19C1054-01 3/25/2019 0 - 6 (3.5 - 4.0) | WC-1B 19C1054-02 3/25/2019 6 - 12 (11.5 - 12.0) | WC-2A 19C1054-03 3/25/2019 0 - 6 (5.5-6.0) | WC-2B 19C1054-04 3/25/2019 6 - 12 (6.5 - 7.0) | WC-3A 19C1054-05 3/25/2019 0 - 6 (3.5 - 4.0) | WC-3B 19C1054-06 3/25/2019 6 - 12 (7.5 - 8.0) | WC-4A 19C1054-08 3/25/2019 0 - 6 (0.5 - 1.0) | WC-4B 19C1054-09 3/25/2019 6 - 12 (10.5 - 11.0) |
|--|------------|--|--|---|-------------------------|------------------------------|---|--|---|--|---|--|---|--|
| | | mg/kg | mg/kg | mg/kg | mg/kg | mg/L | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| Metals, Target Analyte | | | | | | | | | | | | | | |
| Aluminum | 7429-90-5 | — | 78,000 | — | — | — | 6,190 | 8,500 | 9,600 | 5,680 | 7,180 | 9,680 | 7,870 | 7,950 |
| Antimony | 7440-36-0 | 450 | 31 | — | 27 | — | 2.97 U | 3.2 U | 3.37 U | 2.64 U | 3.11 U | 2.94 U | 3.1 U | 3.31 U |
| Arsenic | 7440-38-2 | 19 | 19 | 13 | 12 | — | 3.76 | 7.24 | 8.08 | 3.08 | 3.42 | 4.19 | 12.6 | 6.05 |
| Barium | 7440-39-3 | 59,000 | 16,000 | 350 | 8,200 | — | 86 | 119 | 174 | 75.8 | 130 | 123 | 518 | 126 |
| Beryllium | 7440-41-7 | 140 | 16 | 7.2 | 320 | — | 0.059 U | 0.064 U | 0.067 U | 0.053 U | 0.062 U | 0.059 U | 0.062 U | 0.066 U |
| Cadmium | 7440-43-9 | 78 | 78 | 2.5 | 38 | — | 0.356 U | 0.384 U | 0.62 | 0.317 U | 0.373 U | 0.353 U | 1.34 | 0.422 |
| Calcium | 7440-70-2 | — | — | — | — | — | 15,400 | 15,900 | 31,400 | 4,160 | 7,650 | 3,800 | 26,300 | 14,900 |
| Chromium, Hexavalent | 18540-29-9 | — | — | 1 | 94 | — | 0.593 U | 0.64 U | 0.675 U | 0.528 U | 0.622 U | 0.589 U | 0.621 U | 0.661 U |
| Chromium, Total | 7440-47-3 | — | — | 30 | 190,000 | — | 12.9 | 21.4 | 19.2 | 14.8 | 15.4 | 18.7 | 20 | 18.4 |
| Cobalt | 7440-48-4 | 590 | 1,600 | — | 8.1 | — | 8.88 | 8.54 | 7.98 | 7.31 | 8.34 | 14.1 | 8.42 | 9.62 |
| Copper | 7440-50-8 | 45,000 | 3,100 | 50 | 8,200 | — | 52.5 | 42.9 | 211 | 41.2 | 33.5 | 51.7 | 130 | 56.9 |
| Cyanide, total | 57-12-5 | 680 | 47 | 27 | — | — | 0.593 U | 0.64 U | 0.675 U | 0.528 U | 0.622 U | 0.589 U | 2.18 | 0.661 U |
| Iron | 7439-89-6 | — | — | — | — | — | 18,400 | 26,000 | 20,200 | 11,100 | 12,700 | 20,100 | 14,800 | 17,000 |
| Lead | 7439-92-1 | 800 | 400 | 63 | 450 | — | 126 | 257 | 427 | 92.4 | 147 | 88 | 892 | 296 |
| Magnesium | 7439-95-4 | — | — | — | — | — | 3,540 | 3,180 | 2,280 | 2,700 | 2,730 | 4,880 | 3,320 | 4,290 |
| Manganese | 7439-96-5 | 5,900 | 11,000 | 1,600 | 31,000 | — | 297 | 495 | 290 | 184 | 243 | 259 | 416 | 335 |
| Mercury | 7439-97-6 | 65 | 23 | 0.18 | 10 | — | 0.302 | 0.353 | 1.46 | 0.444 | 0.276 | 0.288 | 9.55 | 0.4 |
| Nickel | 7440-02-0 | 23,000 | 1,600 | 30 | 650 | — | 17.1 | 17.1 | 46.3 | 14.4 | 18.1 | 27.1 | 18.7 | 20.1 |
| Potassium | 7440-09-7 | — | — | — | — | — | 1,230 | 1,500 | 1,120 | 1,260 | 1,330 | 4,630 | 1,370 | 1,760 |
| Selenium | 7782-49-2 | 5,700 | 390 | 3.9 | 26 | — | 2.97 U | 3.2 U | 3.37 U | 2.64 U | 3.11 U | 2.94 U | 3.1 U | 3.31 U |
| Silver | 7440-22-4 | 5,700 | 390 | 2 | 84 | — | 0.593 U | 0.64 U | 0.675 U | 0.528 U | 0.622 U | 0.589 U | 0.621 U | 0.661 U |
| Sodium | 7440-23-5 | — | — | — | — | — | 344 | 240 | 651 | 245 | 484 | 258 | 677 | 674 |
| Thallium | 7440-28-0 | 79 | 5 | — | 14 | — | 2.97 U | 3.2 U | 3.37 U | 2.64 U | 3.11 U | 2.94 U | 3.1 U | 3.31 U |
| Vanadium | 7440-62-2 | 1,100 | 78 | — | 1,500 | — | 85.2 | 23.3 | 266 | 19.3 | 24 | 27.7 | 25.4 | 24.9 |
| Zinc | 7440-66-6 | 110,000 | 23,000 | 109 | 12,000 | — | 126 | 148 | 280 | 75.2 | 184 | 75 | 825 | 173 |
| Metals, TCLP RCRA | | | | | | | | | | | | | | |
| Arsenic | 7440-38-2 | — | — | — | — | 5 | 0.375 U | 0.375 U | 0.375 U | 0.375 U | 0.375 U | 0.375 U | 0.375 U | 0.375 U |
| Barium | 7440-39-3 | — | — | — | — | 100 | 0.625 U | 0.729 U | 0.625 U | 0.634 U | 0.683 U | 0.625 U | 0.672 U | 0.625 U |
| Cadmium | 7440-43-9 | — | — | — | — | 1 | 0.075 U | 0.075 U | 0.075 U | 0.075 U | 0.075 U | 0.075 U | 0.075 U | 0.075 U |
| Chromium | 7440-47-3 | — | — | — | — | 5 | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U |
| Lead | 7439-92-1 | — | — | — | — | 5 | 0.125 U | 0.385 U | 0.125 U | 1.05 | 0.125 U | 0.125 U | 0.348 | 0.376 |
| Mercury | 7439-97-6 | — | — | — | — | 0.2 | 0.0002 U | 0.0002 U | 0.0002 U | 0.0002 U | 0.0002 U | 0.0002 U | 0.0002 U | 0.0002 U |
| Selenium | 7782-49-2 | — | — | — | — | 1 | 0.625 U | 0.625 U | 0.625 U | 0.625 U | 0.625 U | 0.625 U | 0.625 U | 0.625 U |
| Silver | 7440-22-4 | — | — | — | — | 5 | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U |
| General Chemistry | | | | | | | | | | | | | | |
| % Solids | solids | — | — | — | — | — | 84.3 | 78.1 | 74.1 | 94.7 | 80.4 | 84.9 | 80.5 | 75.6 |
| RCRA Characteristics | | | | | | | | | | | | | | |
| pH (Corrosivity) | — | — | — | — | — | <2; >12 | 8.97 | 8.07 | 8.32 | 8.51 | 8.38 | 8.1 | 8.75 | 8.66 |
| Ignitability | — | — | — | — | — | — | Non-Ignit. | Non-Ignit. | Non-Ignit. | Non-Ignit. | Non-Ignit. | Non-Ignit. | Non-Ignit. | Non-Ignit. |
| Reactivity - Cyanide | — | — | — | — | — | — | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| Reactivity - Sulfide | — | — | — | — | — | — | 15 U | 15 U | 15 U | 15 U | 15 U | 15 U | 32 | 15 U |

NOTES:

New Jersey Department of Environmental Protection (NJDEP) Site Remediation Program (SRP) Soil Remediation Standards (SRS) last revised 18 September 2017.
 NRDCSRS: Non-Residential Direct Contact Soil Remediation Standards; RDCSRS: Residential Direct Contact Soil Remediation Standards.
 New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (UUSCOs) are from the Part 375 Brownfields Cleanup Objectives Subpart 375-6 last revised 14 December 2006.
 Pennsylvania Department of Environmental Protection (PADEP) Clean Fill Limits from Tables FP-1a and FP-1b of the Management of Fill Policy last revised 11 March 2015.
 United States Environmental Protection Agency (USEPA) as provided in USEPA Rule § 261.24.
 *Listed EPH protocol represent the soil remediation criterion defined by the NJDEP "Protocol for Addressing Extractable Petroleum Hydrocarbons," last revised 9 August 2010.
 —: No regulatory limit has been established for this analyte.
 Trivalent Chromium standards/limits applied to total Chromium results for NY and PA
 All exceedances are color coded by regulatory limits.
Italicized results indicate Reporting Limits (RL) greater than or equal to the most stringent criteria.
 ft bgs: feet below existing grade.

Q is the Qualifier Column with definitions as follows:

- D: result is from an analysis that required a dilution
- J: analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
- U: analyte not detected at or above the level indicated
- B: analyte found in the analysis batch blank

TABLE 1
WASTE CHARACTERIZATION ANALYTICAL RESULTS
280 West 155th Street
 New York, NY

| Sample ID: Lab ID: Sampling Date: Sample Depth (VOC Sample Depth) (ft bgs): Units: | CAS Number | NJDEP SRP Non-Residential Direct Contact SRS | NJDEP SRP Residential Direct Contact SRS | NYSDEC Unrestricted Use Soil Cleanup Objectives | PADEP Clean Fill Limits | USEPA Hazardous Waste Limits | WC-5A 19C1079-01 3/26/2019 0 - 6 (1.5 - 2.0) | WC-5B 19C1079-02 3/26/2019 6 - 12 (6.0 - 6.5) | WC-6A 19C1079-03 3/26/2019 0 - 6 (1.5 - 2.0) | WC-6B 19C1079-04 3/26/2019 6 - 12 (9.5 - 10.0) | WC-7A 19C1079-05 3/26/2019 0 - 6 (2.5 - 3.0) | Dup_3.26.19 (WC-7A) 19C1079-07 3/26/2019 0 - 6 (2.5 - 3.0) | WC-7B 19C1079-06 3/26/2019 6 - 12 (9.5 - 10.0) | WC-8 19C1054-07 3/25/2019 12 - 16 (14.5 - 15.0) | |
|--|------------|--|--|---|-------------------------|------------------------------|---|--|---|---|---|---|---|--|--|
| | | mg/kg | mg/kg | mg/kg | mg/kg | mg/L | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | |
| Semi-Volatiles, TCLP RCRA Target List | | | | | | | | | | | | | | | |
| 2,4,5-Trichlorophenol | 95-95-4 | — | — | — | — | 400 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| 2,4,6-Trichlorophenol | 88-06-2 | — | — | — | — | 2 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| 2,4-Dinitrotoluene | 121-14-2 | — | — | — | — | 0.13 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| 2-Methylphenol | 95-48-7 | — | — | — | — | 200 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| 3- & 4-Methylphenols | 65794-96-9 | — | — | — | — | 200 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| Cresols, total | 1319-77-3 | — | — | — | — | 200 | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | 0.02 U | |
| Hexachlorobenzene | 118-74-1 | — | — | — | — | 0.13 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| Hexachlorobutadiene | 87-68-3 | — | — | — | — | 0.5 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| Hexachloroethane | 67-72-1 | — | — | — | — | 3 | 0.0025 U | 0.0025 U | 0.0025 U | 0.0025 U | 0.0025 U | 0.0025 U | 0.0025 U | 0.0025 U | |
| Nitrobenzene | 98-95-3 | — | — | — | — | 2 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| Pentachlorophenol | 87-86-5 | — | — | — | — | 100 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| Pyridine | 110-86-1 | — | — | — | — | 5 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| Herbicides | | | | | | | | | | | | | | | |
| 2,4,5-T | 93-76-5 | — | — | — | 1.5 | — | 0.0231 U | 0.0259 U | 0.0239 U | 0.0255 U | 0.0243 U | 0.0243 U | 0.024 U | 0.0244 U | |
| 2,4,5-TP (Silvex) | 93-72-1 | — | — | 3.8 | 22 | — | 0.0231 U | 0.0259 U | 0.0239 U | 0.0255 U | 0.0243 U | 0.0243 U | 0.024 U | 0.0244 U | |
| 2,4-D | 94-75-7 | — | — | — | 1.8 | — | 0.0231 U | 0.0259 U | 0.0239 U | 0.0255 U | 0.0243 U | 0.0243 U | 0.024 U | 0.0244 U | |
| Herbicides, TCLP Target List | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 93-72-1 | — | — | — | — | 1 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| 2,4-D | 94-75-7 | — | — | — | — | 10 | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | 0.005 U | |
| PCBs | | | | | | | | | | | | | | | |
| Aroclor 1016 | 12674-11-2 | 1 | 0.2 | 0.1 | 15 | — | 0.0193 U | 0.0219 U | 0.0197 U | 0.021 U | 0.0205 U | 0.0204 U | 0.0203 U | 0.0206 U | |
| Aroclor 1221 | 11104-28-2 | 1 | 0.2 | 0.1 | 0.63 | — | 0.0193 U | 0.0219 U | 0.0197 U | 0.021 U | 0.0205 U | 0.0204 U | 0.0203 U | 0.0206 U | |
| Aroclor 1232 | 11141-16-5 | 1 | 0.2 | 0.1 | 0.5 | — | 0.0193 U | 0.0219 U | 0.0197 U | 0.021 U | 0.0205 U | 0.0204 U | 0.0203 U | 0.0206 U | |
| Aroclor 1242 | 53469-21-9 | 1 | 0.2 | 0.1 | 16 | — | 0.0193 U | 0.0219 U | 0.0197 U | 0.021 U | 0.0205 U | 0.0204 U | 0.0203 U | 0.0206 U | |
| Aroclor 1248 | 12672-29-6 | 1 | 0.2 | 0.1 | 9.9 | — | 0.0425 U | 0.0219 U | 0.0197 U | 0.021 U | 0.0205 U | 0.0204 U | 0.0203 U | 0.0206 U | |
| Aroclor 1254 | 11097-69-1 | 1 | 0.2 | 0.1 | 4.4 | — | 0.0193 U | 0.0219 U | 0.159 | 0.021 U | 0.0205 U | 0.0204 U | 0.0203 U | 0.0206 U | |
| Aroclor 1260 | 11096-82-5 | 1 | 0.2 | 0.1 | 30 | — | 0.0193 U | 0.0219 U | 0.0197 U | 0.021 U | 0.0205 U | 0.0204 U | 0.0203 U | 0.0206 U | |
| Total PCBs | 1336-36-3 | 1 | 0.2 | 0.1 | — | — | 0.0425 U | 0.0219 U | 0.159 | 0.021 U | 0.0205 U | 0.0204 U | 0.0203 U | 0.0206 U | |
| Pesticides | | | | | | | | | | | | | | | |
| 4,4'-DDD | 72-54-8 | 13 | 3.0 | 0.0033 | 6.8 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| 4,4'-DDE | 72-55-9 | 9 | 2.0 | 0.0033 | 41 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| 4,4'-DDT | 50-29-3 | 8 | 2.0 | 0.0033 | 53 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00774 D | 0.00202 U | 0.00201 U | 0.00204 U | |
| Aldrin | 309-00-2 | 0.2 | 0.0 | 0.005 | 0.1 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| alpha-BHC | 319-84-6 | 0.5 | 0.1 | 0.02 | 0.046 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| beta-BHC | 319-85-7 | 2 | 0.4 | 0.036 | 0.22 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Chlordane, total | 57-74-9 | 1 | 0.2 | — | 49 | — | 0.0382 U | 0.0434 U | 0.0391 U | 0.0415 U | 0.0407 U | 0.0405 U | 0.0402 U | 0.0408 U | |
| cis-Chlordane | 5103-71-9 | 1 | 0.2 | — | 49 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00453 D | 0.00201 U | 0.00204 U | |
| delta-BHC | 319-86-8 | — | — | 0.04 | 11 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Dieldrin | 60-57-1 | 0.2 | 0.04 | 0.005 | 0.11 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Endosulfan I | 959-98-8 | 6,800 | 470.0 | 2.4 | 110 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Endosulfan II | 33213-65-9 | 6,800 | 470.0 | 2.4 | 130 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Endosulfan sulfate | 1031-07-8 | 6,800 | 470.0 | 2.4 | 70 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Endrin | 72-20-8 | 340 | 23.0 | 0.014 | 5.5 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Endrin aldehyde | 7421-93-4 | — | — | — | — | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Endrin ketone | 53494-70-5 | — | — | — | — | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| gamma-BHC (Lindane) | 58-89-9 | 2 | 0.4 | 0.1 | 0.072 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Heptachlor | 76-44-8 | 0.7 | 0.1 | 0.042 | 0.68 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Heptachlor epoxide | 1024-57-3 | 0.3 | 0.1 | — | 1.1 | — | 0.00191 U | 0.00217 U | 0.00195 U | 0.00208 U | 0.00204 U | 0.00202 U | 0.00201 U | 0.00204 U | |
| Methoxychlor | 72-43-5 | 5,700 | 390.0 | — | 630 | — | 0.00955 U | 0.0108 U | 0.00977 U | 0.0104 U | 0.0102 U | 0.0101 U | 0.01 U | 0.0102 U | |
| Toxaphene | 8001-35-2 | 3 | 0.6 | — | 1.2 | — | 0.0967 U | 0.11 U | 0.0989 U | 0.105 U | 0.103 U | 0.102 U | 0.102 U | 0.103 U | |
| Pesticides, TCLP RCRA List | | | | | | | | | | | | | | | |
| Chlordane, total | 57-74-9 | — | — | — | — | 0.03 | 0.00222 U | 0.00222 U | 0.00222 U | 0.00222 U | 0.00222 U | 0.00222 U | 0.00222 U | 0.00222 U | |
| Endrin | 72-20-8 | — | — | — | — | 0.02 | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | |
| gamma-BHC (Lindane) | 58-89-9 | — | — | — | — | 0.4 | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | |
| Heptachlor | 76-44-8 | — | — | — | — | 0.008 | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | |
| Methoxychlor | 72-43-5 | — | — | — | — | 10 | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | 0.000444 U | |
| Toxaphene | 8001-35-2 | — | — | — | — | 0.5 | 0.00111 U | 0.00111 U | 0.00111 U | 0.00111 U | 0.00111 U | 0.00111 U | 0.00111 U | 0.00111 U | |
| NJDEP EPH* | | | | | | | | | | | | | | | |
| Total EPH- Category 2 | | 1,700 | 1,700 | — | — | — | 670 | 333 | 267 | 61.5 U | 602 | 657 | 1550 D | 67.3 | |

TABLE 1
WASTE CHARACTERIZATION ANALYTICAL RESULTS
280 West 155th Street
 New York, NY

| Sample ID: Lab ID: Sampling Date: Sample Depth (VOC Sample Depth) (ft bgs): Units: | CAS Number | NJDEP SRP Non-Residential Direct Contact SRS | NJDEP SRP Residential Direct Contact SRS | NYSDEC Unrestricted Use Soil Cleanup Objectives | PADEP Clean Fill Limits | USEPA Hazardous Waste Limits | WC-5A 19C1079-01 3/26/2019 0 - 6 (1.5 - 2.0) mg/kg Q | WC-5B 19C1079-02 3/26/2019 6 - 12 (6.0 - 6.5) mg/kg Q | WC-6A 19C1079-03 3/26/2019 0 - 6 (1.5 - 2.0) mg/kg Q | WC-6B 19C1079-04 3/26/2019 6 - 12 (9.5 - 10.0) mg/kg Q | WC-7A 19C1079-05 3/26/2019 0 - 6 (2.5 - 3.0) mg/kg Q | Dup_3.26.19 (WC-7A) 19C1079-07 3/26/2019 0 - 6 (2.5 - 3.0) mg/kg Q | WC-7B 19C1079-06 3/26/2019 6 - 12 (9.5 - 10.0) mg/kg Q | WC-8 19C1054-07 3/25/2019 12 - 16 (14.5 - 15.0) mg/kg Q |
|--|------------|--|--|---|-------------------------|------------------------------|--|---|--|--|--|--|--|---|
| Metals, Target Analyte | | | | | | | | | | | | | | |
| Aluminum | 7429-90-5 | — | 78,000 | — | — | — | 6,790 | 12,900 | 7,580 | 8,410 | 6,770 | 7,170 | 8,350 | 9,680 |
| Antimony | 7440-36-0 | 450 | 31 | — | 27 | — | 2.92 | 3.32 U | 3 | 3.2 | 3.09 U | 3.1 | 3.05 | 3.1 U |
| Arsenic | 7440-38-2 | 19 | 19 | 13 | 12 | — | 2.79 | 2.36 | 7.19 | 9.71 | 6.36 | 5.65 | 4.47 | 7.32 |
| Barium | 7440-39-3 | 59,000 | 16,000 | 350 | 8,200 | — | 145 | 171 | 96.2 | 130 | 904 | 689 | 116 | 127 |
| Beryllium | 7440-41-7 | 140 | 16 | 7.2 | 320 | — | 0.058 U | 0.066 U | 0.06 U | 0.064 U | 0.062 U | 0.062 U | 0.061 U | 0.077 |
| Cadmium | 7440-43-9 | 78 | 78 | 2.5 | 38 | — | 0.92 | 0.398 U | 0.424 | 0.541 | 1.54 | 1.52 | 0.643 | 0.372 U |
| Calcium | 7440-70-2 | — | — | — | — | — | 15,000 | 2,480 | 8,670 | 11,900 | 53,000 | 52,000 | 30,500 | 15,700 |
| Chromium, Hexavalent | 18540-29-9 | — | — | 1 | 94 | — | 0.585 U | 0.664 U | 0.6 U | 0.64 U | 0.619 U | 0.62 U | 0.611 U | 0.62 U |
| Chromium, Total | 7440-47-3 | — | — | 30 | 190,000 | — | 16.5 | 25.1 | 17.4 | 16.5 | 41.9 | 33 | 20.3 | 23.7 |
| Cobalt | 7440-48-4 | 590 | 1,600 | — | 8.1 | — | 7.17 | 16 | 9.96 | 16.1 | 8.07 | 7.45 | 13.5 | 8.77 |
| Copper | 7440-50-8 | 45,000 | 3,100 | 50 | 8,200 | — | 38.8 | 50.9 | 53.3 | 77.3 | 109 | 84.6 | 67.9 | 68.5 |
| Cyanide, total | 57-12-5 | 680 | 47 | 27 | — | — | 0.585 U | 0.664 U | 0.6 U | 0.64 U | 0.619 U | 0.62 U | 0.611 U | 0.62 U |
| Iron | 7439-89-6 | — | — | — | — | — | 11,300 | 22,400 | 17,400 | 33,600 | 28,700 | 21,200 | 18,900 | 19,600 |
| Lead | 7439-92-1 | 800 | 400 | 63 | 450 | — | 261 | 78.1 | 490 | 522 | 869 | 814 | 110 | 253 |
| Magnesium | 7439-95-4 | — | — | — | — | — | 5,900 | 5,840 | 2,470 | 6,420 | 7,550 | 6,140 | 8,170 | 5,090 |
| Manganese | 7439-96-5 | 5,900 | 11,000 | 1,600 | 31,000 | — | 664 | 169 | 335 | 226 | 356 | 324 | 384 | 395 |
| Mercury | 7439-97-6 | 65 | 23 | 0.18 | 10 | — | 1.33 | 0.658 | 0.435 | 0.586 | 0.47 | 0.304 | 0.593 | 1.02 |
| Nickel | 7440-02-0 | 23,000 | 1,600 | 30 | 650 | — | 33.2 | 28.3 | 17.8 | 23.6 | 27.2 | 27.2 | 100 | 29.8 |
| Potassium | 7440-09-7 | — | — | — | — | — | 1,190 B | 6,700 B | 1,230 B | 2,270 B | 1,460 B | 1,490 B | 2,980 B | 1,800 |
| Selenium | 7782-49-2 | 5,700 | 390 | 3.9 | 26 | — | 2.92 U | 3.32 U | 3 U | 3.2 U | 3.09 U | 3.1 U | 3.05 U | 3.1 U |
| Silver | 7440-22-4 | 5,700 | 390 | 2 | 84 | — | 0.585 U | 0.664 U | 0.6 U | 0.64 U | 0.619 U | 0.62 U | 0.611 U | 0.62 U |
| Sodium | 7440-23-5 | — | — | — | — | — | 329 | 337 | 391 | 304 | 919 | 962 | 351 | 584 |
| Thallium | 7440-28-0 | 79 | 5 | — | 14 | — | 2.92 U | 3.32 U | 3 U | 3.2 U | 3.09 U | 3.1 U | 3.05 U | 3.1 U |
| Vanadium | 7440-62-2 | 1,100 | 78 | — | 1,500 | — | 24.2 | 34.7 | 23.7 | 33.1 | 26.8 | 26.1 | 175 | 25.9 |
| Zinc | 7440-66-6 | 110,000 | 23,000 | 109 | 12,000 | — | 250 | 81.6 | 288 | 157 | 647 | 633 | 155 | 159 |
| Metals, TCLP RCRA | | | | | | | | | | | | | | |
| Arsenic | 7440-38-2 | — | — | — | — | 5 | 0.375 U | 0.375 U | 0.375 U | 0.375 U | 0.375 U | 0.375 U | 0.375 U | 0.375 U |
| Barium | 7440-39-3 | — | — | — | — | 100 | 0.635 | 0.727 U | 0.625 U | 0.817 | 0.625 U | 0.625 U | 0.625 U | 0.625 U |
| Cadmium | 7440-43-9 | — | — | — | — | 1 | 0.075 U | 0.075 U | 0.075 U | 0.075 U | 0.075 U | 0.075 U | 0.075 U | 0.075 U |
| Chromium | 7440-47-3 | — | — | — | — | 5 | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U |
| Lead | 7439-92-1 | — | — | — | — | 5 | 0.584 | 1.61 | 0.125 U | 1.27 | 0.433 | 0.336 | 0.125 U | 0.125 U |
| Mercury | 7439-97-6 | — | — | — | — | 0.2 | 0.0002 U | 0.0002 U | 0.0002 U | 0.0002 U | 0.0002 U | 0.0002 U | 0.0002 U | 0.0002 U |
| Selenium | 7782-49-2 | — | — | — | — | 1 | 0.625 U | 0.625 U | 0.625 U | 0.625 U | 0.625 U | 0.625 U | 0.625 U | 0.625 U |
| Silver | 7440-22-4 | — | — | — | — | 5 | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U | 0.125 U |
| General Chemistry | | | | | | | | | | | | | | |
| % Solids | solids | — | — | — | — | — | 85.5 | 75.4 | 83.3 | 78.2 | 80.8 | 80.7 | 81.9 | 80.7 |
| RCRA Characteristics | | | | | | | | | | | | | | |
| pH (Corrosivity) | — | — | — | — | — | <2; >12 | 8.53 | 7.73 | 8.13 | 7.76 | 8.87 | 8.91 | 9.17 | 8.65 |
| Ignitability | — | — | — | — | — | — | Non-Ignit. | Non-Ignit. | Non-Ignit. | Non-Ignit. | Non-Ignit. | Non-Ignit. | Non-Ignit. | Non-Ignit. |
| Reactivity - Cyanide | — | — | — | — | — | — | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U |
| Reactivity - Sulfide | — | — | — | — | — | — | 15 U | 15 U | 15 U | 15 U | 15 U | 15 U | 15 U | 15 U |

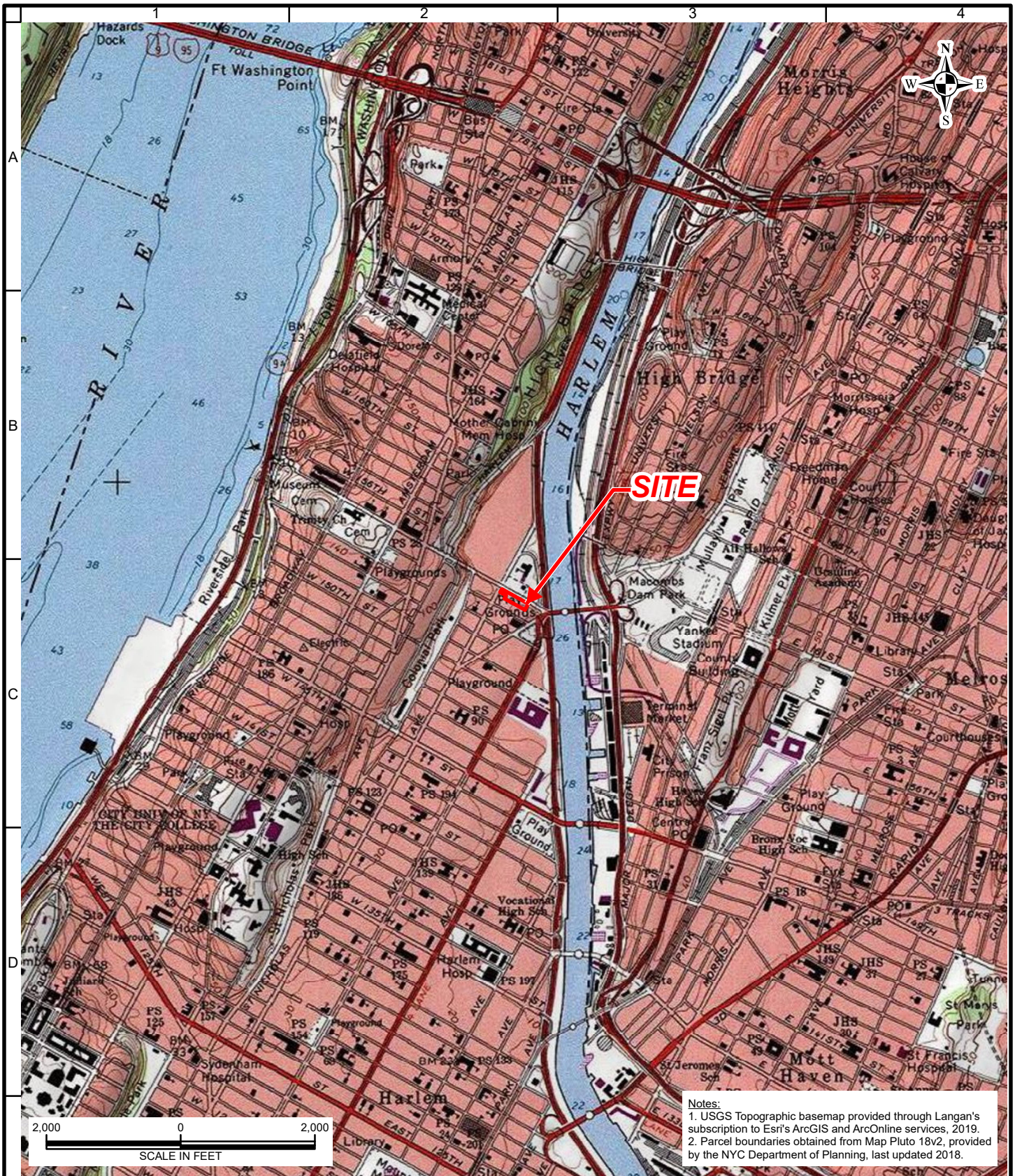
NOTES:

New Jersey Department of Environmental Protection (NJDEP) Site Remediation Program (SRP) Soil Remediation Standards (SRS) last revised 18 September 2017.
 NRDCSRS: Non-Residential Direct Contact Soil Remediation Standards; RDCSRS: Residential Direct Contact Soil Remediation Standards.
 New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (UUSCOs) are from the Part 375 Brownfields Cleanup Objectives Subpart 375-6 of the Environmental Conservation Regulations.
 Pennsylvania Department of Environmental Protection (PADEP) Clean Fill Limits from Tables FP-1a and FP-1b of the Management of Fill Policy last revised 11 March 2015.
 United States Environmental Protection Agency (USEPA) as provided in USEPA Rule § 261.24.
 *Listed EPH protocol represent the soil remediation criterion defined by the NJDEP "Protocol for Addressing Extractable Petroleum Hydrocarbons," last revised 9 August 2010.
 —: No regulatory limit has been established for this analyte.
 Trivalent Chromium standards/limits applied to total Chromium results for NY and PA
 All exceedances are color coded by regulatory limits.
Italicized results indicate Reporting Limits (RL) greater than or equal to the most stringent criteria.
 ft bgs: feet below existing grade.

Q is the Qualifier Column with definitions as follows:

- D: result is from an analysis that required a dilution
- J: analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
- U: analyte not detected at or above the level indicated
- B: analyte found in the analysis batch blank

FIGURES



LANGAN

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

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

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

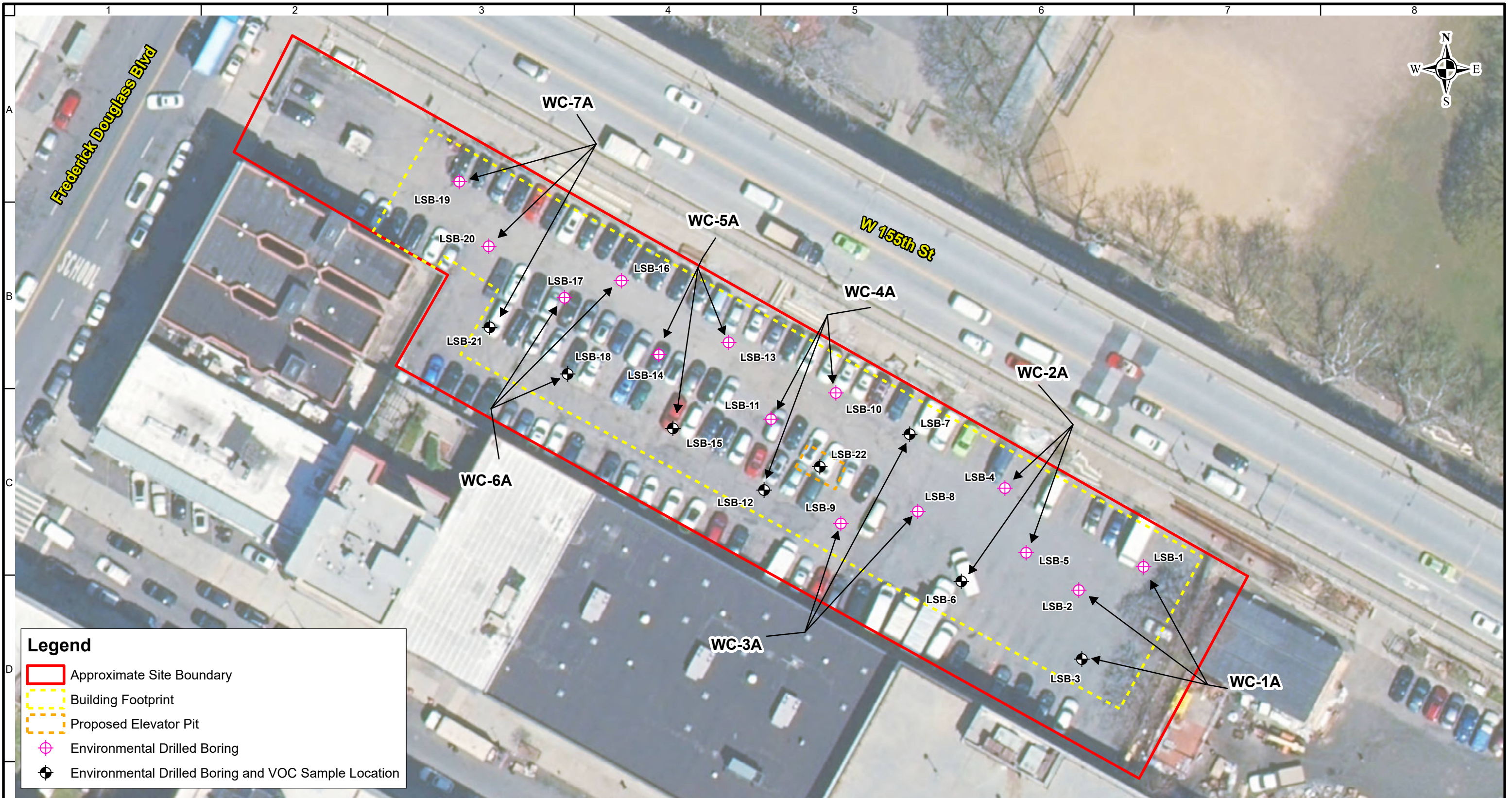
Project
280 WEST 155TH STREET
 BLOCK No. 2040, LOT No. 48
 (Former Lots 48, 61 and 62)
 NEW YORK

MANHATTAN NEW YORK

Drawing Title
**SITE LOCATION
 MAP**

Project No.
100765101
 Date
7/19/2019
 Scale
1" = 2,000'
 Drawn By
IHB

Figure
1



Legend

- Approximate Site Boundary
- Building Footprint
- Proposed Elevator Pit
- ⊕ Environmental Drilled Boring
- ⊕ Environmental Drilled Boring and VOC Sample Location

Notes:

1. Sample locations shown are approximate and based on field measurements taken from the nearest property line.
2. Proposed Building Footprint and Proposed Elevator Pit shown according to site plan prepared by S.G.W. Architects P.C. as part of the schematic design review package dated 12 March 2019.
3. Parcel boundaries obtained from MapPluto 18v2, from the New York City Department of Planning.
4. World Imagery basemap is provided through Langan's subscription to Esri's ArcGIS services, 2019.



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

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

280 WEST 155TH STREET

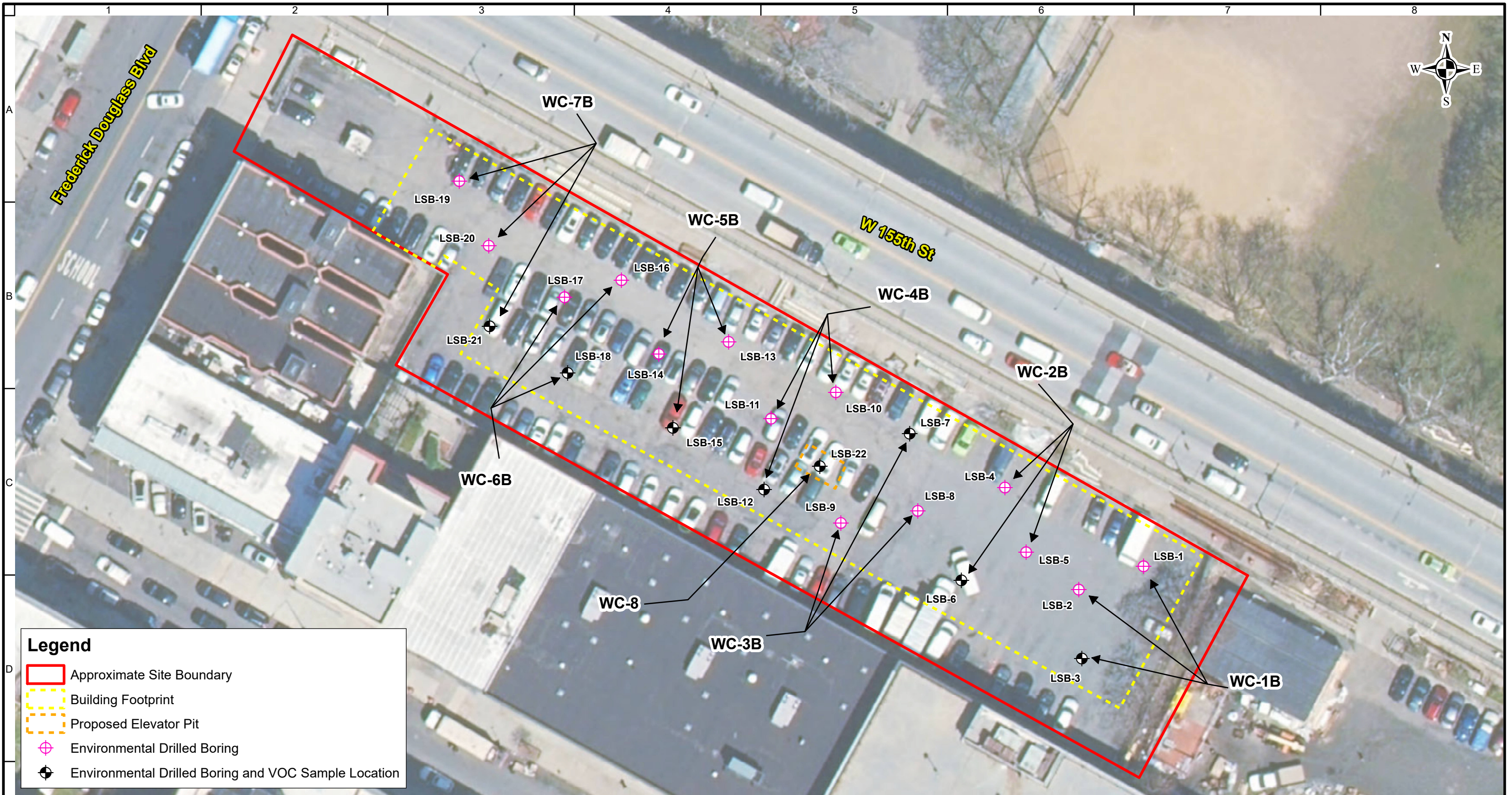
Block No. 2040, Lot No. 48
 (Former Lots 48, 61 and 62)
 NEW YORK

MANHATTAN NEW YORK

Drawing Title

SAMPLE LOCATION PLAN
 (0 - 6 FT. BGS)

| | | |
|-------------|-----------|-----------|
| Project No. | 100765101 | 2A |
| Date | 7/19/2019 | |
| Scale | 1" = 40' | |
| Drawn By | IHB | |



Legend

- Approximate Site Boundary
- Building Footprint
- Proposed Elevator Pit
- ⊕ Environmental Drilled Boring
- ⊕ Environmental Drilled Boring and VOC Sample Location

Notes:
 1. Sample locations shown are approximate and based on field measurements taken from the nearest property line.
 2. Proposed Building Footprint and Proposed Elevator Pit shown according to site plan prepared by S.G.W. Architects P.C. as part of the schematic design review package dated 12 March 2019.
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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

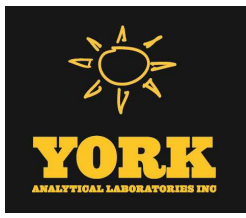
Project
280 WEST 155TH STREET
 Block No. 2040, Lot No. 48
 (Former Lots 48, 61 and 62)
 NEW YORK
 NEW YORK

Drawing Title
SAMPLE LOCATION PLAN
(6 - 12 FT. BGS AND 12-16 FT. BGS)

| | | |
|-------------|-----------|-----------|
| Project No. | 100765101 | 2B |
| Date | 7/19/2019 | |
| Scale | 1" = 40' | |
| Drawn By | IHB | |

ATTACHMENT 1

Complete Laboratory Analytical Packages



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive
Parsipanny NJ, 07054
Attention: Matt Oleske

Report Date: 04/03/2019
Client Project ID: 100765101
York Project (SDG) No.: 19C1054



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

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 March 25, 2019 and listed below. The project was identified as your project: **100765101**.

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> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 19C1054-01 | WC-1A (0-6) | Soil | 03/25/2019 | 03/25/2019 |
| 19C1054-02 | WC-1B (6-12) | Soil | 03/25/2019 | 03/25/2019 |
| 19C1054-03 | WC-2A (0-6) | Soil | 03/25/2019 | 03/25/2019 |
| 19C1054-04 | WC-2B (6-12) | Soil | 03/25/2019 | 03/25/2019 |
| 19C1054-05 | WC-3A (0-6) | Soil | 03/25/2019 | 03/25/2019 |
| 19C1054-06 | WC-3B (6-12) | Soil | 03/25/2019 | 03/25/2019 |
| 19C1054-07 | WC-8 (12-16) | Soil | 03/25/2019 | 03/25/2019 |
| 19C1054-08 | WC-4A (0-6) | Soil | 03/25/2019 | 03/25/2019 |
| 19C1054-09 | WC-4B (6-12) | Soil | 03/25/2019 | 03/25/2019 |
| 19C1054-10 | Trip Blank | Water | 03/25/2019 | 03/25/2019 |

General Notes for York Project (SDG) No.: 19C1054

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: 04/03/2019





Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 8:30 am

03/25/2019

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 | 0.049 | 0.098 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 78-93-3 | 2-Butanone | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 67-64-1 | Acetone | 0.028 | | mg/kg dry | 0.0049 | 0.0098 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0049 | 0.0098 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-09-2 | Methylene chloride | 0.029 | | mg/kg dry | 0.0049 | 0.0098 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0049 | 0.0098 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0025 | 0.0049 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0074 | 0.015 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 13:07 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SRR: 1,2-Dichloroethane-d4 | 115 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SRR: Toluene-d8 | 103 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SRR: p-Bromofluorobenzene | 107 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 8:30 am

03/25/2019

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 06:55 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 106 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 98.7 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 102 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.0979 | 0.196 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.0979 | 0.196 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.0979 | 0.196 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.0979 | 0.196 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.0979 | 0.196 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.0979 | 0.196 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.0979 | 0.196 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.0979 | 0.196 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 83-32-9 | Acenaphthene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 208-96-8 | Acenaphthylene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.196 | 0.392 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 8:30 am

03/25/2019

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 0.106 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.196 | 0.392 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 56-55-3 | Benzo(a)anthracene | 0.382 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 50-32-8 | Benzo(a)pyrene | 0.374 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 205-99-2 | Benzo(b)fluoranthene | 0.324 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | 0.265 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 207-08-9 | Benzo(k)fluoranthene | 0.278 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.0979 | 0.196 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 86-74-8 | Carbazole | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 218-01-9 | Chrysene | 0.355 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.0642 | J | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 132-64-9 | Dibenzofuran | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 8:30 am

03/25/2019

Semi-Volatiles, 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 | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 206-44-0 | Fluoranthene | 0.803 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 86-73-7 | Fluorene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.324 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 91-20-3 | Naphthalene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 85-01-8 | Phenanthrene | 0.417 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 129-00-0 | Pyrene | 0.680 | | mg/kg dry | 0.0491 | 0.0979 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.196 | 0.392 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:12 | SR |

Surrogate Recoveries

Result

Acceptance Range





Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 62.3 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 60.3 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 49.8 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 52.6 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 69.6 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 65.3 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 17:36 | OW |

| | Surrogate Recoveries | Result | Acceptance Range |
|-----------|---------------------------------------|--------|------------------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 46.7 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 33.0 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 57.7 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 63.9 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 69.8 % | 23-163 |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 65.9 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:05 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:05 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:05 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:05 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:05 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:05 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 16:05 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 55.8 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 53.3 % | | | 30-150 | | | | | | |

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 | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0390 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.00975 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.0987 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:18 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 54.1 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 57.7 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 04/01/2019 08:21 | 04/01/2019 18:44 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:44 | SR |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 8:30 am

03/25/2019

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:44 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:44 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:44 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:44 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:44 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: | 04/01/2019 08:21 | 04/01/2019 18:44 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 74.5 % | | | | | 30-140 | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 83.5 % | | | | | 30-140 | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 20:02 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 20:02 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 125 % | | | | | | 30-150 | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0234 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 01:57 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0234 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 01:57 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0234 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 01:57 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 125 % | | | | | | 30-150 | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 66.1 | | mg/kg dry | 58.1 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 03/27/2019 14:26 | 03/28/2019 19:38 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 66.8 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 67.2 % | | | | | 40-140 | | | |

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 | 6190 | | mg/kg dry | 5.93 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 2.97 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-38-2 | Arsenic | 3.76 | | mg/kg dry | 1.78 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-39-3 | Barium | 86.0 | | mg/kg dry | 2.97 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.059 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.356 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-70-2 | Calcium | 15400 | | mg/kg dry | 5.93 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-47-3 | Chromium | 12.9 | | mg/kg dry | 0.593 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-48-4 | Cobalt | 8.88 | | mg/kg dry | 0.474 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-50-8 | Copper | 52.5 | | mg/kg dry | 2.37 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7439-89-6 | Iron | 18400 | | mg/kg dry | 29.7 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7439-92-1 | Lead | 126 | | mg/kg dry | 0.593 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7439-95-4 | Magnesium | 3540 | | mg/kg dry | 5.93 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7439-96-5 | Manganese | 297 | | mg/kg dry | 0.593 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-02-0 | Nickel | 17.1 | | mg/kg dry | 1.19 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-09-7 | Potassium | 1230 | | mg/kg dry | 5.93 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | ND | | mg/kg dry | 2.97 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.593 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-23-5 | Sodium | 344 | | mg/kg dry | 59.3 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 2.97 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-62-2 | Vanadium | 85.2 | | mg/kg dry | 1.19 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |
| 7440-66-6 | Zinc | 126 | | mg/kg dry | 2.97 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:49 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:32 | KML |
| 7440-39-3 | Barium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:32 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:32 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:32 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:32 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:32 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:32 | 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 | 0.302 | | mg/kg dry | 0.0356 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/01/2019 09:03 | 04/01/2019 12:51 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 11:39 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/27/2019 17:03 | 03/27/2019 23:56 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| | * % Solids | 84.3 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 11:01 | 04/01/2019 15:51 | MAC |

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 | 0.593 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/27/2019 08:58 | 03/27/2019 16:42 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 8.97 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 03/26/2019 08:55 | 03/26/2019 11:29 | MAC |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.593 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 07:11 | 03/28/2019 13:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-1A (0-6)

York Sample ID: 19C1054-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/26/2019 15:51 | 03/27/2019 10:05 | TJM |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 20.3 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 03/26/2019 08:55 | 03/26/2019 11:29 | MAC |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 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,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 8:35 am

03/25/2019

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 | 0.050 | 0.10 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 78-93-3 | 2-Butanone | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 67-64-1 | Acetone | 0.021 | | mg/kg dry | 0.0050 | 0.010 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0050 | 0.010 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-09-2 | Methylene chloride | 0.0061 | J | mg/kg dry | 0.0050 | 0.010 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0050 | 0.010 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0025 | 0.0050 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0075 | 0.015 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 13:34 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SRR: 1,2-Dichloroethane-d4 | 115 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SRR: Toluene-d8 | 103 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SRR: p-Bromofluorobenzene | 107 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:26 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 104 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 98.4 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 102 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.106 | 0.213 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.106 | 0.213 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.106 | 0.213 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.106 | 0.213 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.106 | 0.213 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.106 | 0.213 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.106 | 0.213 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.106 | 0.213 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 83-32-9 | Acenaphthene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 208-96-8 | Acenaphthylene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.213 | 0.426 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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 |
|-----------|-----------------------------|---------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.213 | 0.426 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 56-55-3 | Benzo(a)anthracene | 0.130 | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 50-32-8 | Benzo(a)pyrene | 0.125 | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 205-99-2 | Benzo(b)fluoranthene | 0.0970 | J | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | 0.0851 | J | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 207-08-9 | Benzo(k)fluoranthene | 0.0936 | J | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.106 | 0.213 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 86-74-8 | Carbazole | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 218-01-9 | Chrysene | 0.117 | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 132-64-9 | Dibenzofuran | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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 | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 206-44-0 | Fluoranthene | 0.276 | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 86-73-7 | Fluorene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.0987 | J | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 91-20-3 | Naphthalene | 0.201 | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 85-01-8 | Phenanthrene | 0.166 | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 129-00-0 | Pyrene | 0.252 | | mg/kg dry | 0.0533 | 0.106 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.213 | 0.426 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 18:44 | SR |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 8:35 am

03/25/2019

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 69.0 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 64.9 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 59.8 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 49.4 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 77.4 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 55.0 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 18:24 | OW |

Surrogate Recoveries

Result

Acceptance Range

| | | | |
|-----------|---------------------------------------|--------|----------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 45.5 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 30.8 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 53.5 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 63.3 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 71.6 % | 23-163 |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 65.7 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:20 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:20 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:20 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:20 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:20 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:20 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 16:20 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 34.9 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 49.0 % | | | 30-150 | | | | | | |

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 | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0420 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00210 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0105 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.106 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:33 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 44.1 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 42.7 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0212 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:57 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0212 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:57 | SR |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0212 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:57 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0212 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:57 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0212 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:57 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0212 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:57 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0212 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 18:57 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0212 | 1 | EPA 8082A Certifications: | 04/01/2019 08:21 | 04/01/2019 18:57 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 53.5 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 56.5 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 20:15 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 20:15 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 121 % | | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0254 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 02:10 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0254 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 02:10 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0254 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 02:10 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 112 % | | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | ND | | mg/kg dry | 62.8 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 03/27/2019 14:26 | 03/28/2019 20:06 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 69.6 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 70.9 % | | | | | 40-140 | | | |

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 | 8500 | | mg/kg dry | 6.40 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-38-2 | Arsenic | 7.24 | | mg/kg dry | 1.92 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-39-3 | Barium | 119 | | mg/kg dry | 3.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.064 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.384 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-70-2 | Calcium | 15900 | | mg/kg dry | 6.40 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-47-3 | Chromium | 21.4 | | mg/kg dry | 0.640 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-48-4 | Cobalt | 8.54 | | mg/kg dry | 0.512 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-50-8 | Copper | 42.9 | | mg/kg dry | 2.56 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7439-89-6 | Iron | 26000 | | mg/kg dry | 32.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7439-92-1 | Lead | 257 | | mg/kg dry | 0.640 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7439-95-4 | Magnesium | 3180 | | mg/kg dry | 6.40 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7439-96-5 | Manganese | 495 | | mg/kg dry | 0.640 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-02-0 | Nickel | 17.1 | | mg/kg dry | 1.28 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-09-7 | Potassium | 1500 | | mg/kg dry | 6.40 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | ND | | mg/kg dry | 3.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.640 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-23-5 | Sodium | 240 | | mg/kg dry | 64.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-62-2 | Vanadium | 23.3 | | mg/kg dry | 1.28 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |
| 7440-66-6 | Zinc | 148 | | mg/kg dry | 3.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:52 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------|--------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:35 | KML |
| 7440-39-3 | Barium | 0.729 | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:35 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:35 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:35 | KML |
| 7439-92-1 | Lead | 0.385 | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:35 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:35 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:35 | 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 | 0.353 | | mg/kg dry | 0.0384 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/01/2019 09:03 | 04/01/2019 14:25 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 11:49 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/27/2019 17:03 | 03/27/2019 23:56 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| solids | * % Solids | 78.1 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 11:01 | 04/01/2019 15:51 | MAC |

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 | 0.640 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/26/2019 08:51 | 03/26/2019 18:00 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 8.07 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 03/26/2019 08:55 | 03/26/2019 11:29 | MAC |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.640 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 07:11 | 03/28/2019 13:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-1B (6-12)

York Sample ID: 19C1054-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 8:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/26/2019 15:51 | 03/27/2019 10:05 | TJM |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 20.5 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 03/26/2019 08:55 | 03/26/2019 11:29 | MAC |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | 10 | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | 2.1 | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 9:30 am

03/25/2019

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 | 6.7 | 13 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 78-93-3 | 2-Butanone | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 67-64-1 | Acetone | ND | | mg/kg dry | 0.67 | 1.3 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.67 | 1.3 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 74-83-9 | Bromomethane | 0.41 | J | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 9:30 am

03/25/2019

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 | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 110-82-7 | Cyclohexane | 0.69 | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 100-41-4 | Ethyl Benzene | 0.48 | J | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 98-82-8 | Isopropylbenzene | 1.2 | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 108-87-2 | Methylcyclohexane | 2.2 | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.67 | 1.3 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 104-51-8 | n-Butylbenzene | 1.9 | CCV-E, QL-02 | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 103-65-1 | n-Propylbenzene | 1.7 | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 95-47-6 | o-Xylene | 0.96 | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 179601-23-1 | p- & m- Xylenes | 0.88 | J | mg/kg dry | 0.67 | 1.3 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 99-87-6 | p-Isopropyltoluene | 1.5 | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 135-98-8 | sec-Butylbenzene | 1.5 | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.34 | 0.67 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |
| 1330-20-7 | Xylenes, Total | 1.8 | J | mg/kg dry | 1.0 | 2.0 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/26/2019 13:06 | 03/27/2019 14:17 | LLJ |

Surrogate Recoveries

Result

Acceptance Range

| | | |
|------------|--|--------|
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 98.9 % |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 97.9 % |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 112 % |

77-125

85-120

76-130

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 9:30 am

03/25/2019

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 07:57 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 102 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 99.5 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 98.8 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.559 | 1.12 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.559 | 1.12 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.559 | 1.12 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 91-57-6 | 2-Methylnaphthalene | 3.65 | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.559 | 1.12 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.559 | 1.12 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.559 | 1.12 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.559 | 1.12 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.559 | 1.12 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 83-32-9 | Acenaphthene | 0.429 | J | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 208-96-8 | Acenaphthylene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 62-53-3 | Aniline | ND | | mg/kg dry | 1.12 | 2.24 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 9:30 am

03/25/2019

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 0.389 | J | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 1.12 | 2.24 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 56-55-3 | Benzo(a)anthracene | 0.509 | J | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 50-32-8 | Benzo(a)pyrene | 0.366 | J | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 205-99-2 | Benzo(b)fluoranthene | 0.411 | J | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | 0.420 | J | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.559 | 1.12 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 86-74-8 | Carbazole | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 218-01-9 | Chrysene | 1.19 | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 132-64-9 | Dibenzofuran | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 9:30 am

03/25/2019

Semi-Volatiles, 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 | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 206-44-0 | Fluoranthene | 0.643 | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 86-73-7 | Fluorene | 0.724 | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.340 | J | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 91-20-3 | Naphthalene | 0.590 | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 85-01-8 | Phenanthrene | 3.11 | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 129-00-0 | Pyrene | 1.48 | | mg/kg dry | 0.280 | 0.559 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 1.12 | 2.24 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:16 | SR |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 38.6 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 37.2 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 50.4 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 36.0 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 43.8 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 39.6 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:11 | OW |

Surrogate Recoveries

Result

Acceptance Range

| | | | |
|-----------|---------------------------------------|--------|----------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 50.0 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 35.4 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 62.4 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 65.9 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 76.6 % | 23-163 |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 65.4 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:35 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:35 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:35 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:35 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:35 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:35 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 16:35 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 56.1 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 50.3 % | | | 30-150 | | | | | | |

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 | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0442 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00221 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0111 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.112 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:17 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 40.3 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 30.5 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0223 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:11 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0223 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:11 | SR |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0223 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:11 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0223 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:11 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0223 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:11 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0223 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:11 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0223 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:11 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0223 | 1 | EPA 8082A Certifications: | 04/01/2019 08:21 | 04/01/2019 19:11 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 51.0 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 67.5 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 20:27 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 20:27 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 127 % | | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0266 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 02:23 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0266 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 02:23 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0266 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 02:23 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 129 % | | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 3530 | | mg/kg dry | 65.5 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 03/27/2019 14:26 | 03/28/2019 20:34 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 55.8 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 71.5 % | | | | | 40-140 | | | |

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 | 9600 | | mg/kg dry | 6.75 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.37 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-38-2 | Arsenic | 8.08 | | mg/kg dry | 2.02 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-39-3 | Barium | 174 | | mg/kg dry | 3.37 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.067 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-43-9 | Cadmium | 0.620 | | mg/kg dry | 0.405 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-70-2 | Calcium | 31400 | | mg/kg dry | 6.75 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-47-3 | Chromium | 19.2 | | mg/kg dry | 0.675 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-48-4 | Cobalt | 7.98 | | mg/kg dry | 0.540 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-50-8 | Copper | 211 | | mg/kg dry | 2.70 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7439-89-6 | Iron | 20200 | | mg/kg dry | 33.7 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7439-92-1 | Lead | 427 | | mg/kg dry | 0.675 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7439-95-4 | Magnesium | 2280 | | mg/kg dry | 6.75 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7439-96-5 | Manganese | 290 | | mg/kg dry | 0.675 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-02-0 | Nickel | 46.3 | | mg/kg dry | 1.35 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-09-7 | Potassium | 1120 | | mg/kg dry | 6.75 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | ND | | mg/kg dry | 3.37 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.675 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-23-5 | Sodium | 651 | | mg/kg dry | 67.5 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.37 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-62-2 | Vanadium | 266 | | mg/kg dry | 1.35 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |
| 7440-66-6 | Zinc | 280 | | mg/kg dry | 3.37 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 10:54 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:37 | KML |
| 7440-39-3 | Barium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:37 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:37 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:37 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:37 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:37 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:37 | KML |

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 7439-97-6 | Mercury | 1.46 | | mg/kg dry | 0.0405 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/01/2019 09:03 | 04/01/2019 13:12 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 12:00 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/27/2019 17:03 | 03/27/2019 23:56 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| | * % Solids | 74.1 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 11:01 | 04/01/2019 15:51 | MAC |

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 | 0.675 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/26/2019 08:51 | 03/26/2019 18:00 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 8.32 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 03/26/2019 08:55 | 03/26/2019 11:29 | MAC |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.675 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 07:11 | 03/28/2019 13:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-2A (0-6)

York Sample ID: 19C1054-03

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:30 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/26/2019 15:51 | 03/27/2019 10:05 | TJM |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 20.2 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 03/26/2019 08:55 | 03/26/2019 11:29 | MAC |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.68 | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 5.3 | 11 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 78-93-3 | 2-Butanone | 0.34 | J | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 67-64-1 | Acetone | ND | | mg/kg dry | 0.53 | 1.1 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.53 | 1.1 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 74-83-9 | Bromomethane | 0.71 | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

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|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 110-82-7 | Cyclohexane | 1.0 | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 98-82-8 | Isopropylbenzene | 1.4 | QL-02 | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 108-87-2 | Methylcyclohexane | 3.1 | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.53 | 1.1 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 104-51-8 | n-Butylbenzene | 2.0 | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 103-65-1 | n-Propylbenzene | 2.0 | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 95-47-6 | o-Xylene | 0.34 | J | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.53 | 1.1 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 135-98-8 | sec-Butylbenzene | 1.6 | QL-02 | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

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|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.26 | 0.53 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.79 | 1.6 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 04/01/2019 11:45 | 04/01/2019 13:43 | LLJ |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 96.6 % | | | 77-125 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 97.9 % | | | 85-120 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 106 % | | | 76-130 | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:28 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 102 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 99.6 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 100 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.433 | 0.865 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.433 | 0.865 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.433 | 0.865 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 91-57-6 | 2-Methylnaphthalene | 2.53 | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.433 | 0.865 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.433 | 0.865 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.433 | 0.865 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.433 | 0.865 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.433 | 0.865 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 83-32-9 | Acenaphthene | 0.887 | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 208-96-8 | Acenaphthylene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.868 | 1.74 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 9:35 am

03/25/2019

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 0.565 | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.868 | 1.74 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 56-55-3 | Benzo(a)anthracene | 0.852 | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 50-32-8 | Benzo(a)pyrene | 0.582 | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 205-99-2 | Benzo(b)fluoranthene | 0.402 | J | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | 0.419 | J | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 207-08-9 | Benzo(k)fluoranthene | 0.315 | J | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.433 | 0.865 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 86-74-8 | Carbazole | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 218-01-9 | Chrysene | 1.22 | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 132-64-9 | Dibenzofuran | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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 | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 206-44-0 | Fluoranthene | 1.03 | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 86-73-7 | Fluorene | 0.966 | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.339 | J | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 91-20-3 | Naphthalene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 85-01-8 | Phenanthrene | 2.59 | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 129-00-0 | Pyrene | 2.02 | | mg/kg dry | 0.217 | 0.433 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.868 | 1.74 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 19:48 | SR |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 61.0 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 60.2 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 94.4 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 59.2 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 72.6 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 66.0 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 19:59 | OW |

| | Surrogate Recoveries | Result | Acceptance Range |
|-----------|---------------------------------------|--------|------------------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 49.6 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 35.6 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 66.4 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 77.4 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 84.7 % | 23-163 |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 80.8 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:50 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:50 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:50 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:50 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:50 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 16:50 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 16:50 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 49.3 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 42.2 % | | | 30-150 | | | | | | |

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------------|--------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 72-54-8 | 4,4'-DDD | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0347 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00174 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.00869 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.0879 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:32 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 44.4 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 93.8 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0175 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:24 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0175 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:24 | SR |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0175 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:24 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0175 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:24 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0175 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:24 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0175 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:24 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0175 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:24 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0175 | 1 | EPA 8082A Certifications: | 04/01/2019 08:21 | 04/01/2019 19:24 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 51.0 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 65.5 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 20:40 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 20:40 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (| 137 % | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0210 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 02:35 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0210 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 02:35 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0210 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/02/2019 02:35 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (| 81.2 % | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 1840 | | mg/kg dry | 50.8 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 03/27/2019 14:26 | 03/28/2019 21:03 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 73.7 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 59.9 % | | | | | 40-140 | | | |

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 | 5680 | | mg/kg dry | 5.28 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 2.64 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-38-2 | Arsenic | 3.08 | | mg/kg dry | 1.58 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-39-3 | Barium | 75.8 | | mg/kg dry | 2.64 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.053 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.317 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-70-2 | Calcium | 4160 | | mg/kg dry | 5.28 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-47-3 | Chromium | 14.8 | | mg/kg dry | 0.528 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-48-4 | Cobalt | 7.31 | | mg/kg dry | 0.423 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-50-8 | Copper | 41.2 | | mg/kg dry | 2.11 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7439-89-6 | Iron | 11100 | | mg/kg dry | 26.4 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7439-92-1 | Lead | 92.4 | | mg/kg dry | 0.528 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7439-95-4 | Magnesium | 2700 | | mg/kg dry | 5.28 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7439-96-5 | Manganese | 184 | | mg/kg dry | 0.528 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-02-0 | Nickel | 14.4 | | mg/kg dry | 1.06 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-09-7 | Potassium | 1260 | | mg/kg dry | 5.28 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | ND | | mg/kg dry | 2.64 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.528 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-23-5 | Sodium | 245 | | mg/kg dry | 52.8 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 2.64 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-62-2 | Vanadium | 19.3 | | mg/kg dry | 1.06 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |
| 7440-66-6 | Zinc | 75.2 | | mg/kg dry | 2.64 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:01 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------|--------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:40 | KML |
| 7440-39-3 | Barium | 0.634 | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:40 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:40 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:40 | KML |
| 7439-92-1 | Lead | 1.05 | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:40 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:40 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:40 | KML |

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|----------------|--------------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 7439-97-6 | Mercury | 0.444 | | mg/kg dry | 0.0317 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/01/2019 09:03 | 04/01/2019 13:25 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 12:11 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/27/2019 17:03 | 03/27/2019 23:56 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| | * % Solids | 94.7 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 11:01 | 04/01/2019 15:51 | MAC |

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 | 0.528 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/26/2019 08:51 | 03/26/2019 18:00 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 8.51 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.528 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-2B (6-12)

York Sample ID: 19C1054-04

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 9:35 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/26/2019 15:51 | 03/27/2019 10:05 | TJM |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 21.2 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 78-93-3 | 2-Butanone | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 67-64-1 | Acetone | ND | | mg/kg dry | 0.0048 | 0.0096 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0048 | 0.0096 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 11:20 am

03/25/2019

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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.0048 | 0.0096 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 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 | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0024 | 0.0048 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0072 | 0.014 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 14:28 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 112 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 101 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 106 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 12:30 | 03/28/2019 08:59 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 105 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 97.8 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 101 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.513 | 1.03 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.513 | 1.03 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.513 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.513 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.513 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.513 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.513 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.513 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 83-32-9 | Acenaphthene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 208-96-8 | Acenaphthylene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 62-53-3 | Aniline | ND | | mg/kg dry | 1.03 | 2.06 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 11:20 am

03/25/2019

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 1.03 | 2.06 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 56-55-3 | Benzo(a)anthracene | 0.776 | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 50-32-8 | Benzo(a)pyrene | 0.899 | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 205-99-2 | Benzo(b)fluoranthene | 0.743 | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | 0.755 | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 207-08-9 | Benzo(k)fluoranthene | 0.587 | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.513 | 1.03 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 86-74-8 | Carbazole | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 218-01-9 | Chrysene | 0.648 | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 132-64-9 | Dibenzofuran | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 11:20 am

03/25/2019

Semi-Volatiles, 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 | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 206-44-0 | Fluoranthene | 0.977 | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 86-73-7 | Fluorene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.755 | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 91-20-3 | Naphthalene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 85-01-8 | Phenanthrene | 0.263 | J | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 129-00-0 | Pyrene | 1.01 | | mg/kg dry | 0.257 | 0.513 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 1.03 | 2.06 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:20 | SR |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 67.4 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 66.4 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 56.0 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 56.4 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 67.4 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 70.4 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 20:47 | OW |

| | Surrogate Recoveries | Result | Acceptance Range |
|-----------|---------------------------------------|--------|------------------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 47.0 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 32.7 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 61.0 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 66.9 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 75.4 % | 23-163 |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 76.8 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:05 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:05 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:05 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:05 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:05 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:05 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 17:05 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 65.3 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 50.3 % | | | 30-150 | | | | | | |

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 | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0406 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00203 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0102 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.103 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 07:46 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 32.1 % | | | 30-150 | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 10.2 % | S-GC | | 30-150 | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:38 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:38 | SR |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 11:20 am

03/25/2019

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:38 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:38 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:38 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:38 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:38 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: | 04/01/2019 08:21 | 04/01/2019 19:38 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 53.0 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 62.0 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 20:53 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 20:53 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 125 % | | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0247 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 22:22 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0247 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 22:22 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0247 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 22:22 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 117 % | | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 548 | | mg/kg dry | 59.8 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 03/27/2019 14:26 | 03/28/2019 21:31 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 57.2 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 60.4 % | | | | | 40-140 | | | |

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 | 7180 | | mg/kg dry | 6.22 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.11 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-38-2 | Arsenic | 3.42 | | mg/kg dry | 1.87 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-39-3 | Barium | 130 | | mg/kg dry | 3.11 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.062 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.373 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-70-2 | Calcium | 7650 | | mg/kg dry | 6.22 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-47-3 | Chromium | 15.4 | | mg/kg dry | 0.622 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-48-4 | Cobalt | 8.34 | | mg/kg dry | 0.497 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-50-8 | Copper | 33.5 | | mg/kg dry | 2.49 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7439-89-6 | Iron | 12700 | | mg/kg dry | 31.1 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7439-92-1 | Lead | 147 | | mg/kg dry | 0.622 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7439-95-4 | Magnesium | 2730 | | mg/kg dry | 6.22 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7439-96-5 | Manganese | 243 | | mg/kg dry | 0.622 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-02-0 | Nickel | 18.1 | | mg/kg dry | 1.24 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-09-7 | Potassium | 1330 | | mg/kg dry | 6.22 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | ND | | mg/kg dry | 3.11 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.622 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-23-5 | Sodium | 484 | | mg/kg dry | 62.2 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.11 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-62-2 | Vanadium | 24.0 | | mg/kg dry | 1.24 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |
| 7440-66-6 | Zinc | 184 | | mg/kg dry | 3.11 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:03 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------|--------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:42 | KML |
| 7440-39-3 | Barium | 0.683 | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:42 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:42 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:42 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:42 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:42 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:42 | KML |

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|----------------|--------------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 7439-97-6 | Mercury | 0.276 | | mg/kg dry | 0.0373 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/01/2019 09:03 | 04/01/2019 13:33 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 12:22 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/27/2019 17:03 | 03/27/2019 23:56 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| | * % Solids | 80.4 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 11:01 | 04/01/2019 15:51 | MAC |

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|----------------------|--------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 18540-29-9 | Chromium, Hexavalent | ND | | mg/kg dry | 0.622 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/26/2019 08:51 | 03/26/2019 18:00 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 8.38 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.622 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-3A (0-6)

York Sample ID: 19C1054-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:20 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/26/2019 15:51 | 03/27/2019 10:05 | TJM |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 21.2 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | 5.9 | 12 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 78-93-3 | 2-Butanone | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 67-64-1 | Acetone | ND | | mg/kg dry | 0.59 | 1.2 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.59 | 1.2 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 74-83-9 | Bromomethane | 1.4 | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

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|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 79-20-9 | Methyl acetate | 0.38 | J | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.59 | 1.2 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 104-51-8 | n-Butylbenzene | 0.47 | J | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.59 | 1.2 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 135-98-8 | sec-Butylbenzene | 0.47 | QL-02, J | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.29 | 0.59 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.88 | 1.8 | 100 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 04/01/2019 11:45 | 04/01/2019 13:15 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SURRE: 1,2-Dichloroethane-d4 | 100 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SURRE: Toluene-d8 | 100 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SURRE: p-Bromofluorobenzene | 101 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:19 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 113 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 97.2 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 103 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.0973 | 0.194 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.0973 | 0.194 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.0973 | 0.194 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

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|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.0973 | 0.194 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.0973 | 0.194 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.0973 | 0.194 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.0973 | 0.194 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.0973 | 0.194 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 83-32-9 | Acenaphthene | 0.179 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 208-96-8 | Acenaphthylene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.195 | 0.389 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 0.156 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.195 | 0.389 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 56-55-3 | Benzo(a)anthracene | 0.203 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 50-32-8 | Benzo(a)pyrene | 0.187 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 205-99-2 | Benzo(b)fluoranthene | 0.129 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | 0.138 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 207-08-9 | Benzo(k)fluoranthene | 0.0871 | J | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.0973 | 0.194 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 86-74-8 | Carbazole | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 218-01-9 | Chrysene | 0.286 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 132-64-9 | Dibenzofuran | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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 | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 206-44-0 | Fluoranthene | 0.285 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 86-73-7 | Fluorene | 0.231 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.146 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 91-20-3 | Naphthalene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 85-01-8 | Phenanthrene | 0.312 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 129-00-0 | Pyrene | 0.494 | | mg/kg dry | 0.0487 | 0.0973 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.195 | 0.389 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 20:52 | SR |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 65.0 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 60.8 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 73.8 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 55.4 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 76.0 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 67.1 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 21:34 | OW |

Surrogate Recoveries

Result

Acceptance Range

| | | | |
|-----------|---------------------------------------|--------|----------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 52.6 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 36.0 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 66.8 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 79.4 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 85.0 % | 23-163 |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 79.0 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:20 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:20 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:20 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:20 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:20 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:20 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 17:20 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 35.0 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 48.7 % | | | 30-150 | | | | | | |

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 | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0386 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00193 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.00965 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.0977 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:01 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 43.1 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 49.3 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:51 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:51 | SR |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:51 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:51 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:51 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:51 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 19:51 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A Certifications: | 04/01/2019 08:21 | 04/01/2019 19:51 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 53.0 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 65.5 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 21:18 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 21:18 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 135 % | | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0233 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 22:34 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0233 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 22:34 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0233 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 22:34 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 95.0 % | | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 980 | | mg/kg dry | 57.2 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 03/27/2019 14:26 | 03/28/2019 21:59 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 59.6 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 56.0 % | | | | | 40-140 | | | |

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 | 9680 | | mg/kg dry | 5.89 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 2.94 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-38-2 | Arsenic | 4.19 | | mg/kg dry | 1.77 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-39-3 | Barium | 123 | | mg/kg dry | 2.94 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.059 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.353 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-70-2 | Calcium | 3800 | | mg/kg dry | 5.89 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-47-3 | Chromium | 18.7 | | mg/kg dry | 0.589 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-48-4 | Cobalt | 14.1 | | mg/kg dry | 0.471 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-50-8 | Copper | 51.7 | | mg/kg dry | 2.36 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7439-89-6 | Iron | 20100 | | mg/kg dry | 29.4 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7439-92-1 | Lead | 88.0 | | mg/kg dry | 0.589 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7439-95-4 | Magnesium | 4880 | | mg/kg dry | 5.89 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7439-96-5 | Manganese | 259 | | mg/kg dry | 0.589 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-02-0 | Nickel | 27.1 | | mg/kg dry | 1.18 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-09-7 | Potassium | 4630 | | mg/kg dry | 5.89 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | ND | | mg/kg dry | 2.94 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.589 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-23-5 | Sodium | 258 | | mg/kg dry | 58.9 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 2.94 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-62-2 | Vanadium | 27.7 | | mg/kg dry | 1.18 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |
| 7440-66-6 | Zinc | 75.0 | | mg/kg dry | 2.94 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:05 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:45 | KML |
| 7440-39-3 | Barium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:45 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:45 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:45 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:45 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:45 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:45 | 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 | 0.288 | | mg/kg dry | 0.0353 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/01/2019 09:03 | 04/01/2019 13:42 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 12:32 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/27/2019 17:03 | 03/27/2019 23:56 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| | * % Solids | 84.9 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 11:01 | 04/01/2019 15:51 | MAC |

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 | 0.589 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/26/2019 08:51 | 03/26/2019 18:00 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 8.10 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.589 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-3B (6-12)

York Sample ID: 19C1054-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 11:25 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/27/2019 16:29 | 03/28/2019 11:21 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 21.2 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 1:30 pm

03/25/2019

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 | 0.059 | 0.12 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 78-93-3 | 2-Butanone | 0.017 | CCV-E | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 67-64-1 | Acetone | 0.055 | | mg/kg dry | 0.0059 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0059 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | 0.0047 | J | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.0059 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0059 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0030 | 0.0059 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0089 | 0.018 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 14:54 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SURRE: 1,2-Dichloroethane-d4 | 116 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SURRE: Toluene-d8 | 104 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SURRE: p-Bromofluorobenzene | 109 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 16:50 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 109 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 98.2 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 103 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 91-57-6 | 2-Methylnaphthalene | 0.102 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 83-32-9 | Acenaphthene | 0.403 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 208-96-8 | Acenaphthylene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.205 | 0.410 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 1:30 pm

03/25/2019

Semi-Volatiles, 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 |
|-----------|-------------------------------|--------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 0.876 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.205 | 0.410 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 56-55-3 | Benzo(a)anthracene | 1.14 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 50-32-8 | Benzo(a)pyrene | 0.894 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 205-99-2 | Benzo(b)fluoranthene | 0.726 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | 0.459 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 207-08-9 | Benzo(k)fluoranthene | 0.690 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 86-74-8 | Carbazole | 0.318 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 218-01-9 | Chrysene | 0.981 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.149 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 132-64-9 | Dibenzofuran | 0.259 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 1:30 pm

03/25/2019

Semi-Volatiles, 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 | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 206-44-0 | Fluoranthene | 2.78 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 86-73-7 | Fluorene | 0.461 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.608 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 91-20-3 | Naphthalene | 0.212 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | 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 | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 85-01-8 | Phenanthrene | 2.95 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 129-00-0 | Pyrene | 2.24 | | mg/kg dry | 0.0513 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.205 | 0.410 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:24 | SR |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 68.3 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 63.6 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 63.7 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 48.9 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 75.2 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 55.4 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 22:23 | OW |

| | Surrogate Recoveries | Result | Acceptance Range |
|-----------|---------------------------------------|--------|------------------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 55.8 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 39.0 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 68.5 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 80.0 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 85.0 % | 23-163 |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 85.2 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:35 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:35 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:35 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:35 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:35 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:35 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 17:35 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 54.9 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 51.3 % | | | 30-150 | | | | | | |

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 | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0408 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0102 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.103 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 23:48 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 55.1 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 55.9 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:05 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:05 | SR |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:05 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:05 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:05 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:05 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:05 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: | 04/01/2019 08:21 | 04/01/2019 20:05 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 67.0 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 67.5 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 21:31 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 21:31 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 128 % | | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0244 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 22:47 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0244 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 22:47 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0244 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 22:47 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 84.0 % | | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 67.3 | | mg/kg dry | 60.2 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 03/27/2019 14:26 | 03/28/2019 22:56 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 58.4 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 62.4 % | | | | | 40-140 | | | |

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 | 9680 | | mg/kg dry | 6.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-38-2 | Arsenic | 7.32 | | mg/kg dry | 1.86 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-39-3 | Barium | 127 | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-41-7 | Beryllium | 0.077 | | mg/kg dry | 0.062 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.372 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-70-2 | Calcium | 15700 | | mg/kg dry | 6.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-47-3 | Chromium | 23.7 | | mg/kg dry | 0.620 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-48-4 | Cobalt | 8.77 | | mg/kg dry | 0.496 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-50-8 | Copper | 68.5 | | mg/kg dry | 2.48 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7439-89-6 | Iron | 19600 | | mg/kg dry | 31.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7439-92-1 | Lead | 253 | | mg/kg dry | 0.620 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7439-95-4 | Magnesium | 5090 | | mg/kg dry | 6.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7439-96-5 | Manganese | 395 | | mg/kg dry | 0.620 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-02-0 | Nickel | 29.8 | | mg/kg dry | 1.24 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-09-7 | Potassium | 1800 | | mg/kg dry | 6.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.620 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-23-5 | Sodium | 584 | | mg/kg dry | 62.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-62-2 | Vanadium | 25.9 | | mg/kg dry | 1.24 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |
| 7440-66-6 | Zinc | 159 | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:07 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:47 | KML |
| 7440-39-3 | Barium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:47 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:47 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:47 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:47 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:47 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:47 | 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 | 1.02 | | mg/kg dry | 0.0372 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/01/2019 09:03 | 04/01/2019 13:51 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 | 04/01/2019 09:05 | 04/01/2019 13:00 | SY |
| Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | | | | | | | | | | |

Ignitability

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 |
|-----------------|----------------|------------|------|-------|-----------------|----------|------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P | 03/27/2019 17:03 | 03/27/2019 23:56 | AA |
| Certifications: | | | | | | | | | | |

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 | 80.7 | | % | 0.100 | 1 | SM 2540G | 04/01/2019 11:01 | 04/01/2019 15:51 | MAC |
| 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 | 0.620 | 1 | EPA 7196A | 03/26/2019 08:51 | 03/26/2019 18:00 | MAC |
| Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | | | | | | | | | | |

Corrosivity by SM 4500/EPA 9045D

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 |
|---|-----------|--------|------|----------|-----------------|----------|------------------|--------------------|--------------------|---------|
| | pH | 8.65 | | pH units | 0.500 | 1 | EPA 9045D | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |
| Certifications: NELAC-NY10854,CTDOH,PADEP | | | | | | | | | | |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|----------------|--------|------|-----------|-----------------|----------|------------------|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.620 | 1 | EPA 9014/9010C | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |
| Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | | | | | | | | |

Reactivity-Cyanide

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 |
|-----------------------------|------------------------|--------|------|-------|-----------------|----------|---------------------|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |
| Certifications: CTDOH,PADEP | | | | | | | | | | |



Sample Information

Client Sample ID: WC-8 (12-16)

York Sample ID: 19C1054-07

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 1:30 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/27/2019 16:29 | 03/28/2019 11:21 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 21.2 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:20 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:20 pm

03/25/2019

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 | 0.062 | 0.12 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 78-93-3 | 2-Butanone | 0.0078 | CCV-E | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 67-64-1 | Acetone | 0.054 | | mg/kg dry | 0.0062 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0062 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:20 pm

03/25/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|--------------------------------|---------------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-09-2 | Methylene chloride | 0.0095 | J | mg/kg dry | 0.0062 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0062 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:20 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 127-18-4 | Tetrachloroethylene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0031 | 0.0062 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0093 | 0.019 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 15:48 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SURRE: 1,2-Dichloroethane-d4 | 115 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SURRE: Toluene-d8 | 103 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SURRE: p-Bromofluorobenzene | 106 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:20 pm

03/25/2019

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:21 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 110 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 94.9 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 101 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.0547 | J | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:20 pm

03/25/2019

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 91-57-6 | 2-Methylnaphthalene | 0.137 | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 83-32-9 | Acenaphthene | 0.797 | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 208-96-8 | Acenaphthylene | 1.37 | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.205 | 0.409 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:20 pm

03/25/2019

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------|-------------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 3.25 | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.205 | 0.409 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 56-55-3 | Benzo(a)anthracene | 10.1 | | mg/kg dry | 0.512 | 1.02 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 10:44 | SR |
| 50-32-8 | Benzo(a)pyrene | 11.0 | | mg/kg dry | 0.512 | 1.02 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 10:44 | SR |
| 205-99-2 | Benzo(b)fluoranthene | 9.26 | | mg/kg dry | 0.512 | 1.02 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 10:44 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | 7.64 | | mg/kg dry | 0.512 | 1.02 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 10:44 | SR |
| 207-08-9 | Benzo(k)fluoranthene | 8.09 | | mg/kg dry | 0.512 | 1.02 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 10:44 | SR |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.0613 | CCV-E, J | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.102 | 0.204 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 86-74-8 | Carbazole | 0.871 | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 218-01-9 | Chrysene | 9.93 | | mg/kg dry | 0.512 | 1.02 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 10:44 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.99 | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 132-64-9 | Dibenzofuran | 0.478 | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:20 pm

03/25/2019

Semi-Volatiles, 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 | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 206-44-0 | Fluoranthene | 23.1 | | mg/kg dry | 0.512 | 1.02 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 10:44 | SR |
| 86-73-7 | Fluorene | 0.895 | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 9.14 | | mg/kg dry | 0.512 | 1.02 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 10:44 | SR |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 91-20-3 | Naphthalene | 0.288 | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | 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 | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 85-01-8 | Phenanthrene | 17.9 | | mg/kg dry | 0.512 | 1.02 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 10:44 | SR |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.0512 | 0.102 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |
| 129-00-0 | Pyrene | 24.0 | | mg/kg dry | 0.512 | 1.02 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 10:44 | SR |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.205 | 0.409 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 21:56 | SR |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:20 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 63.8 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 62.1 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 65.6 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 60.0 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 79.3 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 70.8 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:12 | OW |

Surrogate Recoveries

Result

Acceptance Range

| | | | |
|-----------|---------------------------------------|--------|----------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 52.4 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 37.9 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 65.1 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 75.1 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 79.6 % | 23-163 |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:20 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 83.3 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:50 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:50 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:50 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:50 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:50 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 17:50 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 17:50 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 62.3 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 50.6 % | | | 30-150 | | | | | | |

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 | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:20 pm

03/25/2019

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0408 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0102 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.103 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:16 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 49.5 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 30.0 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:18 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:18 | SR |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:20 pm

03/25/2019

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:18 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:18 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:18 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:18 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:18 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0206 | 1 | EPA 8082A Certifications: | 04/01/2019 08:21 | 04/01/2019 20:18 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 62.5 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 68.0 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 21:44 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 21:44 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 127 % | | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0246 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 23:00 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0246 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 23:00 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0246 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 23:00 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 105 % | | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:20 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 262 | | mg/kg dry | 59.1 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 03/27/2019 14:26 | 03/28/2019 23:24 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 55.3 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 54.8 % | | | | | 40-140 | | | |

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 | 7870 | | mg/kg dry | 6.21 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-38-2 | Arsenic | 12.6 | | mg/kg dry | 1.86 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-39-3 | Barium | 518 | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.062 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-43-9 | Cadmium | 1.34 | | mg/kg dry | 0.373 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-70-2 | Calcium | 26300 | | mg/kg dry | 6.21 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-47-3 | Chromium | 20.0 | | mg/kg dry | 0.621 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-48-4 | Cobalt | 8.42 | | mg/kg dry | 0.497 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-50-8 | Copper | 130 | | mg/kg dry | 2.48 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7439-89-6 | Iron | 14800 | | mg/kg dry | 31.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7439-92-1 | Lead | 892 | | mg/kg dry | 0.621 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7439-95-4 | Magnesium | 3320 | | mg/kg dry | 6.21 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7439-96-5 | Manganese | 416 | | mg/kg dry | 0.621 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-02-0 | Nickel | 18.7 | | mg/kg dry | 1.24 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-09-7 | Potassium | 1370 | | mg/kg dry | 6.21 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:20 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.621 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-23-5 | Sodium | 677 | | mg/kg dry | 62.1 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-62-2 | Vanadium | 25.4 | | mg/kg dry | 1.24 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |
| 7440-66-6 | Zinc | 825 | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:10 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------|--------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:55 | KML |
| 7440-39-3 | Barium | 0.672 | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:55 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:55 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:55 | KML |
| 7439-92-1 | Lead | 0.348 | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:55 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:55 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:55 | 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 | 9.55 | | mg/kg dry | 0.0373 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/01/2019 09:03 | 04/01/2019 15:26 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:20 pm

03/25/2019

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 | 04/01/2019 09:05 | 04/01/2019 13:09 | SY |
| Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | | | | | | | | | | |

Ignitability

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 |
|-----------------|----------------|------------|------|-------|-----------------|----------|------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P | 03/27/2019 17:03 | 03/27/2019 23:56 | AA |
| Certifications: | | | | | | | | | | |

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 | 80.5 | | % | 0.100 | 1 | SM 2540G | 04/01/2019 11:01 | 04/01/2019 15:51 | MAC |
| 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 | 0.621 | 1 | EPA 7196A | 03/26/2019 08:51 | 03/26/2019 18:00 | MAC |
| Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | | | | | | | | | | |

Corrosivity by SM 4500/EPA 9045D

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 |
|---|-----------|--------|------|----------|-----------------|----------|------------------|--------------------|--------------------|---------|
| | pH | 8.75 | | pH units | 0.500 | 1 | EPA 9045D | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |
| Certifications: NELAC-NY10854,CTDOH,PADEP | | | | | | | | | | |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|----------------|--------|------|-----------|-----------------|----------|------------------|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | 2.18 | | mg/kg dry | 0.621 | 1 | EPA 9014/9010C | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |
| Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | | | | | | | | |

Reactivity-Cyanide

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 |
|-----------------------------|------------------------|--------|------|-------|-----------------|----------|---------------------|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 | 04/01/2019 08:39 | 04/01/2019 15:13 | JTV |
| Certifications: CTDOH,PADEP | | | | | | | | | | |



Sample Information

Client Sample ID: WC-4A (0-6)

York Sample ID: 19C1054-08

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:20 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | 32.0 | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 04/01/2019 08:41 | 04/01/2019 16:07 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/27/2019 16:29 | 03/28/2019 11:21 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 21.2 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:25 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|---------------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.0032 | J | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:25 pm

03/25/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|-------------------------|---------------|-------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 123-91-1 | 1,4-Dioxane | ND | | mg/kg dry | 0.058 | 0.12 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 78-93-3 | 2-Butanone | 0.0072 | CCV-E | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 67-64-1 | Acetone | 0.018 | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-15-0 | Carbon disulfide | 0.0048 | J | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:25 pm

03/25/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|---------------------------------------|---------------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | 0.0061 | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:25 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------------|---------------|-------------------------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 127-18-4 | Tetrachloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0088 | 0.018 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/27/2019 07:41 | 03/27/2019 16:15 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SRR: 1,2-Dichloroethane-d4 | 121 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SRR: Toluene-d8 | 110 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SRR: p-Bromofluorobenzene | 122 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:25 pm

03/25/2019

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:30 | 03/28/2019 17:51 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 110 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 97.6 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 101 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.417 | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:25 pm

03/25/2019

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|---------------------------------|---------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 91-57-6 | 2-Methylnaphthalene | 0.328 | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | 0.0692 | J | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 83-32-9 | Acenaphthene | 5.97 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 208-96-8 | Acenaphthylene | 0.349 | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.219 | 0.439 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:25 pm

03/25/2019

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 6.54 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.219 | 0.439 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 56-55-3 | Benzo(a)anthracene | 12.5 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 50-32-8 | Benzo(a)pyrene | 11.5 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 205-99-2 | Benzo(b)fluoranthene | 9.36 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | 6.39 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 207-08-9 | Benzo(k)fluoranthene | 7.31 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 86-74-8 | Carbazole | 1.71 | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 218-01-9 | Chrysene | 10.8 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.92 | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 132-64-9 | Dibenzofuran | 3.39 | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:25 pm

03/25/2019

Semi-Volatiles, 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 | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 206-44-0 | Fluoranthene | 31.4 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 86-73-7 | Fluorene | 6.66 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 7.38 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 91-20-3 | Naphthalene | 1.27 | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 85-01-8 | Phenanthrene | 28.8 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.0549 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |
| 129-00-0 | Pyrene | 29.2 | | mg/kg dry | 0.549 | 1.10 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/03/2019 11:17 | SR |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.219 | 0.439 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:34 | 04/02/2019 22:29 | SR |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:25 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 63.8 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 60.9 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 67.1 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 57.0 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 83.6 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 72.9 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 14:40 | 04/02/2019 23:59 | OW |

| | Surrogate Recoveries | Result | Acceptance Range |
|-----------|---------------------------------------|--------|------------------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 51.5 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 35.2 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 67.8 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 76.0 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 82.3 % | 23-163 |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:25 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 76.0 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:05 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:05 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:05 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:05 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:05 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:05 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 18:05 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 28.0 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 43.3 % | | | 30-150 | | | | | | |

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 | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:25 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0432 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00216 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0108 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.109 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:21 | 04/02/2019 08:31 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 51.8 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 50.3 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0218 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:32 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0218 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:32 | SR |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Soil

March 25, 2019 2:25 pm

03/25/2019

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0218 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:32 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0218 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:32 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0218 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:32 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0218 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:32 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0218 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 08:21 | 04/01/2019 20:32 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0218 | 1 | EPA 8082A Certifications: | 04/01/2019 08:21 | 04/01/2019 20:32 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 52.0 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 65.0 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 21:56 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 10:29 | 04/01/2019 21:56 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 132 % | | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0262 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 23:12 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0262 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 23:12 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0262 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 08:27 | 04/01/2019 23:12 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 87.6 % | | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:25 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 989 | | mg/kg dry | 64.2 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 03/27/2019 14:26 | 03/28/2019 23:52 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 74.2 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 60.3 % | | | | | 40-140 | | | |

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 | 7950 | | mg/kg dry | 6.61 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.31 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-38-2 | Arsenic | 6.05 | | mg/kg dry | 1.98 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-39-3 | Barium | 126 | | mg/kg dry | 3.31 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.066 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-43-9 | Cadmium | 0.422 | | mg/kg dry | 0.397 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-70-2 | Calcium | 14900 | | mg/kg dry | 6.61 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-47-3 | Chromium | 18.4 | | mg/kg dry | 0.661 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-48-4 | Cobalt | 9.62 | | mg/kg dry | 0.529 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-50-8 | Copper | 56.9 | | mg/kg dry | 2.65 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7439-89-6 | Iron | 17000 | | mg/kg dry | 33.1 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7439-92-1 | Lead | 296 | | mg/kg dry | 0.661 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7439-95-4 | Magnesium | 4290 | | mg/kg dry | 6.61 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7439-96-5 | Manganese | 335 | | mg/kg dry | 0.661 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-02-0 | Nickel | 20.1 | | mg/kg dry | 1.32 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-09-7 | Potassium | 1760 | | mg/kg dry | 6.61 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:25 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | ND | | mg/kg dry | 3.31 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.661 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-23-5 | Sodium | 674 | | mg/kg dry | 66.1 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.31 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-62-2 | Vanadium | 24.9 | | mg/kg dry | 1.32 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |
| 7440-66-6 | Zinc | 173 | | mg/kg dry | 3.31 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/26/2019 09:22 | 03/27/2019 11:12 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------|--------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:58 | KML |
| 7440-39-3 | Barium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:58 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:58 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:58 | KML |
| 7439-92-1 | Lead | 0.376 | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:58 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:58 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 13:58 | 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 | 0.400 | | mg/kg dry | 0.0397 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/01/2019 09:03 | 04/01/2019 14:16 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:25 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 13:20 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/27/2019 17:03 | 03/27/2019 23:56 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| solids | * % Solids | 75.6 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 11:01 | 04/01/2019 15:51 | MAC |

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 | 0.661 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/26/2019 08:51 | 03/26/2019 18:00 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 8.66 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.661 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-4B (6-12)

York Sample ID: 19C1054-09

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 25, 2019 2:25 pm | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/27/2019 16:29 | 03/28/2019 11:21 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 21.2 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 03/29/2019 08:59 | 03/29/2019 10:52 | TJM |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1054-10

| | | | | |
|--|---------------------------------------|------------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Water | <u>Collection Date/Time</u> March 25, 2019 12:00 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|------------------------|--|------------------------------------|

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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.260 | J | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1054-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1054

100765101

Water

March 25, 2019 12:00 am

03/25/2019

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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 78-93-3 | 2-Butanone | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 67-64-1 | Acetone | ND | | ug/L | 1.00 | 2.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 107-02-8 | Acrolein | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 71-43-2 | Benzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 108-86-1 | Bromobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-25-2 | Bromoform | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 74-83-9 | Bromomethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-00-3 | Chloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 67-66-3 | Chloroform | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 74-87-3 | Chloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1054-10

| | | | | |
|--|---------------------------------------|------------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1054 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Water | <u>Collection Date/Time</u> March 25, 2019 12:00 am | <u>Date Received</u> 03/25/2019 |
|--|---------------------------------------|------------------------|--|------------------------------------|

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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 110-82-7 | Cyclohexane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 74-95-3 | Dibromomethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 79-20-9 | Methyl acetate | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-09-2 | Methylene chloride | 1.45 | J | ug/L | 1.00 | 2.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 95-47-6 | o-Xylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/L | 0.500 | 1.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 100-42-5 | Styrene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/L | 0.500 | 1.00 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1054-10

York Project (SDG) No.
19C1054

Client Project ID
100765101

Matrix
Water

Collection Date/Time
March 25, 2019 12:00 am

Date Received
03/25/2019

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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 108-88-3 | Toluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 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 | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | ug/L | 0.600 | 1.50 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/25/2019 17:59 | 03/27/2019 15:53 | LLJ |

| | Surrogate Recoveries | Result | Acceptance Range |
|------------|--|--------|------------------|
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 103 % | 70-130 |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 99.5 % | 70-130 |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 109 % | 70-130 |



Analytical Batch Summary

Batch ID: BC91116 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-10 | Trip Blank | 03/25/19 |
| BC91116-BLK1 | Blank | 03/27/19 |
| BC91116-BS1 | LCS | 03/27/19 |
| BC91116-BSD1 | LCS Dup | 03/27/19 |

Batch ID: BC91266 **Preparation Method:** EPA SW846-3060 **Prepared By:** MAC

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-02 | WC-1B (6-12) | 03/26/19 |
| 19C1054-03 | WC-2A (0-6) | 03/26/19 |
| 19C1054-04 | WC-2B (6-12) | 03/26/19 |
| 19C1054-05 | WC-3A (0-6) | 03/26/19 |
| 19C1054-06 | WC-3B (6-12) | 03/26/19 |
| 19C1054-07 | WC-8 (12-16) | 03/26/19 |
| 19C1054-08 | WC-4A (0-6) | 03/26/19 |
| 19C1054-09 | WC-4B (6-12) | 03/26/19 |
| BC91266-BLK1 | Blank | 03/26/19 |
| BC91266-DUP1 | Duplicate | 03/26/19 |
| BC91266-MS1 | Matrix Spike | 03/26/19 |
| BC91266-SRM1 | Reference | 03/26/19 |

Batch ID: BC91268 **Preparation Method:** Analysis Preparation **Prepared By:** MAC

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/26/19 |
| 19C1054-01 | WC-1A (0-6) | 03/26/19 |
| 19C1054-02 | WC-1B (6-12) | 03/26/19 |
| 19C1054-02 | WC-1B (6-12) | 03/26/19 |
| 19C1054-03 | WC-2A (0-6) | 03/26/19 |
| 19C1054-03 | WC-2A (0-6) | 03/26/19 |
| BC91268-DUP1 | Duplicate | 03/26/19 |

Batch ID: BC91271 **Preparation Method:** EPA 3050B **Prepared By:** SY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/26/19 |
| 19C1054-02 | WC-1B (6-12) | 03/26/19 |
| 19C1054-03 | WC-2A (0-6) | 03/26/19 |
| 19C1054-04 | WC-2B (6-12) | 03/26/19 |
| 19C1054-05 | WC-3A (0-6) | 03/26/19 |
| 19C1054-06 | WC-3B (6-12) | 03/26/19 |
| 19C1054-07 | WC-8 (12-16) | 03/26/19 |
| 19C1054-08 | WC-4A (0-6) | 03/26/19 |
| 19C1054-09 | WC-4B (6-12) | 03/26/19 |



| | | |
|--------------|--------------|----------|
| BC91271-BLK1 | Blank | 03/26/19 |
| BC91271-DUP1 | Duplicate | 03/26/19 |
| BC91271-MS1 | Matrix Spike | 03/26/19 |
| BC91271-SRM1 | Reference | 03/26/19 |

Batch ID: BC91294 **Preparation Method:** EPA 5035A **Prepared By:** TMP

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-03 | WC-2A (0-6) | 03/26/19 |
| BC91294-BLK1 | Blank | 03/27/19 |
| BC91294-BS1 | LCS | 03/27/19 |
| BC91294-BSD1 | LCS Dup | 03/27/19 |

Batch ID: BC91296 **Preparation Method:** EPA 5035A **Prepared By:** TMP

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/27/19 |
| 19C1054-02 | WC-1B (6-12) | 03/27/19 |
| 19C1054-05 | WC-3A (0-6) | 03/27/19 |
| 19C1054-07 | WC-8 (12-16) | 03/27/19 |
| 19C1054-08 | WC-4A (0-6) | 03/27/19 |
| 19C1054-09 | WC-4B (6-12) | 03/27/19 |
| BC91296-BLK1 | Blank | 03/27/19 |
| BC91296-BS1 | LCS | 03/27/19 |
| BC91296-BSD1 | LCS Dup | 03/27/19 |

Batch ID: BC91323 **Preparation Method:** EPA SW 846-1311 TCLP ZHE for VO **Prepared By:** TAJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/26/19 |
| 19C1054-02 | WC-1B (6-12) | 03/26/19 |
| 19C1054-03 | WC-2A (0-6) | 03/26/19 |
| 19C1054-04 | WC-2B (6-12) | 03/26/19 |
| 19C1054-05 | WC-3A (0-6) | 03/26/19 |
| BC91323-BLK1 | Blank | 03/26/19 |

Batch ID: BC91362 **Preparation Method:** EPA SW846-3060 **Prepared By:** MAC

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/27/19 |
| BC91362-BLK1 | Blank | 03/27/19 |
| BC91362-SRM1 | Reference | 03/27/19 |

Batch ID: BC91399 **Preparation Method:** EPA 3545A **Prepared By:** MAT

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/27/19 |
| 19C1054-02 | WC-1B (6-12) | 03/27/19 |



| | | |
|--------------|--------------|----------|
| 19C1054-03 | WC-2A (0-6) | 03/27/19 |
| 19C1054-04 | WC-2B (6-12) | 03/27/19 |
| 19C1054-05 | WC-3A (0-6) | 03/27/19 |
| 19C1054-06 | WC-3B (6-12) | 03/27/19 |
| 19C1054-07 | WC-8 (12-16) | 03/27/19 |
| 19C1054-08 | WC-4A (0-6) | 03/27/19 |
| 19C1054-09 | WC-4B (6-12) | 03/27/19 |
| BC91399-BLK1 | Blank | 03/27/19 |
| BC91399-BS1 | LCS | 03/27/19 |
| BC91399-BSD1 | LCS Dup | 03/27/19 |

Batch ID: BC91404 **Preparation Method:** EPA 5030B/1311 **Prepared By:** AB

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/27/19 |
| 19C1054-02 | WC-1B (6-12) | 03/27/19 |
| 19C1054-03 | WC-2A (0-6) | 03/27/19 |
| 19C1054-04 | WC-2B (6-12) | 03/27/19 |
| 19C1054-05 | WC-3A (0-6) | 03/27/19 |
| BC91404-BLK1 | Blank | 03/27/19 |
| BC91404-BS1 | LCS | 03/27/19 |
| BC91404-BSD1 | LCS Dup | 03/27/19 |

Batch ID: BC91414 **Preparation Method:** EPA SW 846-1311 TCLP ZHE for VO **Prepared By:** TJM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|-------------------|------------------|
| 19C1054-06 | WC-3B (6-12) | 03/27/19 |
| 19C1054-07 | WC-8 (12-16) | 03/27/19 |
| 19C1054-08 | WC-4A (0-6) | 03/27/19 |
| 19C1054-09 | WC-4B (6-12) | 03/27/19 |
| BC91414-LBK1 | Leach Fluid Blank | 03/27/19 |

Batch ID: BC91418 **Preparation Method:** Analysis Preparation **Prepared By:** AA

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/27/19 |
| 19C1054-02 | WC-1B (6-12) | 03/27/19 |
| 19C1054-03 | WC-2A (0-6) | 03/27/19 |
| 19C1054-04 | WC-2B (6-12) | 03/27/19 |
| 19C1054-05 | WC-3A (0-6) | 03/27/19 |
| 19C1054-06 | WC-3B (6-12) | 03/27/19 |
| 19C1054-07 | WC-8 (12-16) | 03/27/19 |
| 19C1054-08 | WC-4A (0-6) | 03/27/19 |
| 19C1054-09 | WC-4B (6-12) | 03/27/19 |

Batch ID: BC91428 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JTV

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/28/19 |



| | | |
|--------------|--------------|----------|
| 19C1054-02 | WC-1B (6-12) | 03/28/19 |
| 19C1054-03 | WC-2A (0-6) | 03/28/19 |
| BC91428-BLK1 | Blank | 03/28/19 |
| BC91428-SRM1 | Reference | 03/28/19 |

Batch ID: BC91460 **Preparation Method:** EPA 5030B/1311 **Prepared By:** AB

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|-------------------|------------------|
| 19C1054-06 | WC-3B (6-12) | 03/28/19 |
| 19C1054-07 | WC-8 (12-16) | 03/28/19 |
| 19C1054-08 | WC-4A (0-6) | 03/28/19 |
| 19C1054-09 | WC-4B (6-12) | 03/28/19 |
| BC91460-BLK1 | Blank | 03/28/19 |
| BC91460-BS1 | LCS | 03/28/19 |
| BC91460-BSD1 | LCS Dup | 03/28/19 |
| BC91460-DUP1 | Duplicate | 03/28/19 |
| BC91460-LBK1 | Leach Fluid Blank | 03/28/19 |

Batch ID: BC91499 **Preparation Method:** EPA SW 846-1311 TCLP extr. for SV **Prepared By:** TAJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/28/19 |
| 19C1054-02 | WC-1B (6-12) | 03/28/19 |
| 19C1054-03 | WC-2A (0-6) | 03/28/19 |
| 19C1054-04 | WC-2B (6-12) | 03/28/19 |
| 19C1054-05 | WC-3A (0-6) | 03/28/19 |
| 19C1054-06 | WC-3B (6-12) | 03/28/19 |
| 19C1054-07 | WC-8 (12-16) | 03/28/19 |
| 19C1054-08 | WC-4A (0-6) | 03/28/19 |
| 19C1054-09 | WC-4B (6-12) | 03/28/19 |
| BC91499-BLK1 | Blank | 03/28/19 |

Batch ID: BC91500 **Preparation Method:** EPA SW 846-1311 TCLP ext. for met **Prepared By:** TAJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/28/19 |
| 19C1054-02 | WC-1B (6-12) | 03/28/19 |
| 19C1054-03 | WC-2A (0-6) | 03/28/19 |
| 19C1054-04 | WC-2B (6-12) | 03/28/19 |
| 19C1054-05 | WC-3A (0-6) | 03/28/19 |
| 19C1054-06 | WC-3B (6-12) | 03/28/19 |
| 19C1054-07 | WC-8 (12-16) | 03/28/19 |
| 19C1054-08 | WC-4A (0-6) | 03/28/19 |
| 19C1054-09 | WC-4B (6-12) | 03/28/19 |
| BC91500-BLK1 | Blank | 03/28/19 |

Batch ID: BC91504 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JTV

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
|----------------|------------------|------------------|



| | | |
|--------------|--------------|----------|
| 19C1054-04 | WC-2B (6-12) | 03/29/19 |
| 19C1054-05 | WC-3A (0-6) | 03/29/19 |
| 19C1054-06 | WC-3B (6-12) | 03/29/19 |
| 19C1054-07 | WC-8 (12-16) | 03/29/19 |
| 19C1054-08 | WC-4A (0-6) | 03/29/19 |
| 19C1054-09 | WC-4B (6-12) | 03/29/19 |
| BC91504-BLK1 | Blank | 03/29/19 |
| BC91504-SRM1 | Reference | 03/29/19 |

Batch ID: BC91520 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-04 | WC-2B (6-12) | 03/29/19 |
| 19C1054-05 | WC-3A (0-6) | 03/29/19 |
| 19C1054-06 | WC-3B (6-12) | 03/29/19 |
| 19C1054-07 | WC-8 (12-16) | 03/29/19 |
| 19C1054-08 | WC-4A (0-6) | 03/29/19 |
| 19C1054-09 | WC-4B (6-12) | 03/29/19 |

Batch ID: BC91555 **Preparation Method:** EPA 5035A **Prepared By:** LLJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-04 | WC-2B (6-12) | 04/01/19 |
| 19C1054-06 | WC-3B (6-12) | 04/01/19 |
| BC91555-BLK1 | Blank | 04/01/19 |
| BC91555-BS1 | LCS | 04/01/19 |
| BC91555-BSD1 | LCS Dup | 04/01/19 |

Batch ID: BC91558 **Preparation Method:** EPA 3510C/1311 **Prepared By:** CTD

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|-------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/29/19 |
| 19C1054-02 | WC-1B (6-12) | 03/29/19 |
| 19C1054-03 | WC-2A (0-6) | 03/29/19 |
| 19C1054-04 | WC-2B (6-12) | 03/29/19 |
| 19C1054-05 | WC-3A (0-6) | 03/29/19 |
| 19C1054-06 | WC-3B (6-12) | 03/29/19 |
| 19C1054-07 | WC-8 (12-16) | 03/29/19 |
| 19C1054-08 | WC-4A (0-6) | 03/29/19 |
| 19C1054-09 | WC-4B (6-12) | 03/29/19 |
| BC91558-BLK1 | Blank | 03/29/19 |
| BC91558-BS1 | LCS | 03/29/19 |
| BC91558-BSD1 | LCS Dup | 03/29/19 |
| BC91558-LBK1 | Leach Fluid Blank | 03/29/19 |

Batch ID: BC91563 **Preparation Method:** Analysis Preparation **Prepared By:** JTV

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/29/19 |



| | | |
|------------|--------------|----------|
| 19C1054-02 | WC-1B (6-12) | 03/29/19 |
| 19C1054-03 | WC-2A (0-6) | 03/29/19 |
| 19C1054-04 | WC-2B (6-12) | 03/29/19 |
| 19C1054-05 | WC-3A (0-6) | 03/29/19 |
| 19C1054-06 | WC-3B (6-12) | 03/29/19 |
| 19C1054-07 | WC-8 (12-16) | 03/29/19 |
| 19C1054-09 | WC-4B (6-12) | 03/29/19 |

Batch ID: BC91564 **Preparation Method:** Analysis Preparation **Prepared By:** JTV

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/29/19 |
| 19C1054-02 | WC-1B (6-12) | 03/29/19 |
| 19C1054-03 | WC-2A (0-6) | 03/29/19 |
| 19C1054-04 | WC-2B (6-12) | 03/29/19 |
| 19C1054-05 | WC-3A (0-6) | 03/29/19 |
| 19C1054-06 | WC-3B (6-12) | 03/29/19 |
| 19C1054-07 | WC-8 (12-16) | 03/29/19 |
| 19C1054-09 | WC-4B (6-12) | 03/29/19 |

Batch ID: BC91576 **Preparation Method:** EPA 3015A/1311 **Prepared By:** SY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|-------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 03/29/19 |
| 19C1054-02 | WC-1B (6-12) | 03/29/19 |
| 19C1054-03 | WC-2A (0-6) | 03/29/19 |
| 19C1054-04 | WC-2B (6-12) | 03/29/19 |
| 19C1054-05 | WC-3A (0-6) | 03/29/19 |
| 19C1054-06 | WC-3B (6-12) | 03/29/19 |
| 19C1054-07 | WC-8 (12-16) | 03/29/19 |
| 19C1054-08 | WC-4A (0-6) | 03/29/19 |
| 19C1054-09 | WC-4B (6-12) | 03/29/19 |
| BC91576-BLK1 | Blank | 03/29/19 |
| BC91576-BS1 | LCS | 03/29/19 |
| BC91576-LBK1 | Leach Fluid Blank | 03/29/19 |

Batch ID: BD90002 **Preparation Method:** EPA 3510C/1311 **Prepared By:** CTD

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 04/01/19 |
| 19C1054-02 | WC-1B (6-12) | 04/01/19 |
| 19C1054-03 | WC-2A (0-6) | 04/01/19 |
| 19C1054-04 | WC-2B (6-12) | 04/01/19 |
| 19C1054-05 | WC-3A (0-6) | 04/01/19 |
| 19C1054-06 | WC-3B (6-12) | 04/01/19 |
| 19C1054-07 | WC-8 (12-16) | 04/01/19 |
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| 19C1054-09 | WC-4B (6-12) | 04/01/19 |
| BD90002-BLK1 | Blank | 04/01/19 |
| BD90002-BS1 | LCS | 04/01/19 |



BD90002-BSD1 LCS Dup 04/01/19
BD90002-LBK1 Leach Fluid Blank 04/01/19

Batch ID: BD90005 **Preparation Method:** EPA 3550C **Prepared By:** LM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 04/01/19 |
| 19C1054-01 | WC-1A (0-6) | 04/01/19 |
| 19C1054-02 | WC-1B (6-12) | 04/01/19 |
| 19C1054-02 | WC-1B (6-12) | 04/01/19 |
| 19C1054-03 | WC-2A (0-6) | 04/01/19 |
| 19C1054-03 | WC-2A (0-6) | 04/01/19 |
| 19C1054-04 | WC-2B (6-12) | 04/01/19 |
| 19C1054-04 | WC-2B (6-12) | 04/01/19 |
| 19C1054-05 | WC-3A (0-6) | 04/01/19 |
| 19C1054-05 | WC-3A (0-6) | 04/01/19 |
| 19C1054-06 | WC-3B (6-12) | 04/01/19 |
| 19C1054-06 | WC-3B (6-12) | 04/01/19 |
| 19C1054-07 | WC-8 (12-16) | 04/01/19 |
| 19C1054-07 | WC-8 (12-16) | 04/01/19 |
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| 19C1054-09 | WC-4B (6-12) | 04/01/19 |
| 19C1054-09 | WC-4B (6-12) | 04/01/19 |
| BD90005-BLK1 | Blank | 04/01/19 |
| BD90005-BLK1 | Blank | 04/01/19 |
| BD90005-BLK2 | Blank | 04/01/19 |
| BD90005-BS1 | LCS | 04/01/19 |
| BD90005-BS2 | LCS | 04/01/19 |
| BD90005-MS1 | Matrix Spike | 04/01/19 |
| BD90005-MS2 | Matrix Spike | 04/01/19 |
| BD90005-MSD1 | Matrix Spike Dup | 04/01/19 |
| BD90005-MSD2 | Matrix Spike Dup | 04/01/19 |

Batch ID: BD90008 **Preparation Method:** EPA 3550B/8151A **Prepared By:** SGM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 04/01/19 |
| 19C1054-02 | WC-1B (6-12) | 04/01/19 |
| 19C1054-03 | WC-2A (0-6) | 04/01/19 |
| 19C1054-04 | WC-2B (6-12) | 04/01/19 |
| 19C1054-05 | WC-3A (0-6) | 04/01/19 |
| 19C1054-06 | WC-3B (6-12) | 04/01/19 |
| 19C1054-07 | WC-8 (12-16) | 04/01/19 |
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| 19C1054-09 | WC-4B (6-12) | 04/01/19 |
| BD90008-BLK1 | Blank | 04/01/19 |
| BD90008-BS1 | LCS | 04/01/19 |



Batch ID: BD90010

Preparation Method: EPA 3535A/1311

Prepared By: SGM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 04/01/19 |
| 19C1054-02 | WC-1B (6-12) | 04/01/19 |
| 19C1054-03 | WC-2A (0-6) | 04/01/19 |
| 19C1054-04 | WC-2B (6-12) | 04/01/19 |
| 19C1054-05 | WC-3A (0-6) | 04/01/19 |
| 19C1054-06 | WC-3B (6-12) | 04/01/19 |
| 19C1054-07 | WC-8 (12-16) | 04/01/19 |
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| 19C1054-09 | WC-4B (6-12) | 04/01/19 |
| BD90010-BLK1 | Blank | 04/01/19 |
| BD90010-BS1 | LCS | 04/01/19 |
| BD90010-BSD1 | LCS Dup | 04/01/19 |

Batch ID: BD90012

Preparation Method: Analysis Preparation

Prepared By: JTV

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| BD90012-BLK1 | Blank | 04/01/19 |

Batch ID: BD90013

Preparation Method: Analysis Preparation

Prepared By: JTV

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| BD90013-BLK1 | Blank | 04/01/19 |

Batch ID: BD90015

Preparation Method: EPA 7473 soil

Prepared By: SY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 04/01/19 |
| 19C1054-02 | WC-1B (6-12) | 04/01/19 |
| 19C1054-03 | WC-2A (0-6) | 04/01/19 |
| 19C1054-04 | WC-2B (6-12) | 04/01/19 |
| 19C1054-05 | WC-3A (0-6) | 04/01/19 |
| 19C1054-06 | WC-3B (6-12) | 04/01/19 |
| 19C1054-07 | WC-8 (12-16) | 04/01/19 |
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| 19C1054-09 | WC-4B (6-12) | 04/01/19 |
| BD90015-BLK1 | Blank | 04/01/19 |
| BD90015-SRM1 | Reference | 04/01/19 |

Batch ID: BD90016

Preparation Method: EPA 7473 water

Prepared By: SY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 04/01/19 |
| 19C1054-02 | WC-1B (6-12) | 04/01/19 |
| 19C1054-03 | WC-2A (0-6) | 04/01/19 |



| | | |
|--------------|-------------------|----------|
| 19C1054-04 | WC-2B (6-12) | 04/01/19 |
| 19C1054-05 | WC-3A (0-6) | 04/01/19 |
| 19C1054-06 | WC-3B (6-12) | 04/01/19 |
| 19C1054-07 | WC-8 (12-16) | 04/01/19 |
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| 19C1054-09 | WC-4B (6-12) | 04/01/19 |
| BD90016-BLK1 | Blank | 04/01/19 |
| BD90016-DUP1 | Duplicate | 04/01/19 |
| BD90016-LBK1 | Leach Fluid Blank | 04/01/19 |
| BD90016-MS1 | Matrix Spike | 04/01/19 |
| BD90016-SRM1 | Reference | 04/01/19 |

Batch ID: BD90031 **Preparation Method:** % Solids Prep **Prepared By:** MAC

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 04/01/19 |
| 19C1054-02 | WC-1B (6-12) | 04/01/19 |
| 19C1054-03 | WC-2A (0-6) | 04/01/19 |
| 19C1054-04 | WC-2B (6-12) | 04/01/19 |
| 19C1054-05 | WC-3A (0-6) | 04/01/19 |
| 19C1054-06 | WC-3B (6-12) | 04/01/19 |
| 19C1054-07 | WC-8 (12-16) | 04/01/19 |
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| 19C1054-09 | WC-4B (6-12) | 04/01/19 |

Batch ID: BD90052 **Preparation Method:** EPA 3550C **Prepared By:** MAT

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1054-01 | WC-1A (0-6) | 04/01/19 |
| 19C1054-02 | WC-1B (6-12) | 04/01/19 |
| 19C1054-03 | WC-2A (0-6) | 04/01/19 |
| 19C1054-04 | WC-2B (6-12) | 04/01/19 |
| 19C1054-05 | WC-3A (0-6) | 04/01/19 |
| 19C1054-06 | WC-3B (6-12) | 04/01/19 |
| 19C1054-07 | WC-8 (12-16) | 04/01/19 |
| 19C1054-08 | WC-4A (0-6) | 04/01/19 |
| 19C1054-08RE1 | WC-4A (0-6) | 04/01/19 |
| 19C1054-09 | WC-4B (6-12) | 04/01/19 |
| 19C1054-09RE1 | WC-4B (6-12) | 04/01/19 |
| BD90052-BLK1 | Blank | 04/01/19 |
| BD90052-BS1 | LCS | 04/01/19 |



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 BC91116 - EPA 5030B

Blank (BC91116-BLK1)

Prepared & Analyzed: 03/27/2019

| | | | |
|---|----|-------|------|
| 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 | Units | Spike Level | Source* | %REC | %REC Limits | Flag | RPD | RPD | Flag |
|---------|--------|-----------|-------|----------------|---------|------|----------------|------|-----|-------|------|
| | | Limit | | | Result | | | | | Limit | |

Batch BC91116 - EPA 5030B

Blank (BC91116-BLK1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|---|-------------|-------|----------|-------------|--|------------|---------------|--|--|--|--|
| Hexachlorobutadiene | ND | 0.500 | ug/L | | | | | | | | |
| Isopropylbenzene | ND | 0.500 | " | | | | | | | | |
| Methyl acetate | ND | 0.500 | " | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.500 | " | | | | | | | | |
| Methylcyclohexane | ND | 0.500 | " | | | | | | | | |
| Methylene chloride | ND | 2.00 | " | | | | | | | | |
| n-Butylbenzene | ND | 0.500 | " | | | | | | | | |
| n-Propylbenzene | ND | 0.500 | " | | | | | | | | |
| o-Xylene | ND | 0.500 | " | | | | | | | | |
| p- & m- Xylenes | ND | 1.00 | " | | | | | | | | |
| p-Isopropyltoluene | ND | 0.500 | " | | | | | | | | |
| sec-Butylbenzene | ND | 0.500 | " | | | | | | | | |
| Styrene | ND | 0.500 | " | | | | | | | | |
| tert-Butyl alcohol (TBA) | ND | 1.00 | " | | | | | | | | |
| tert-Butylbenzene | ND | 0.500 | " | | | | | | | | |
| Tetrachloroethylene | ND | 0.500 | " | | | | | | | | |
| Toluene | ND | 0.500 | " | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.500 | " | | | | | | | | |
| trans-1,3-Dichloropropylene | ND | 0.500 | " | | | | | | | | |
| Trichloroethylene | ND | 0.500 | " | | | | | | | | |
| Trichlorofluoromethane | ND | 0.500 | " | | | | | | | | |
| Vinyl acetate | ND | 0.500 | " | | | | | | | | |
| Vinyl Chloride | ND | 0.500 | " | | | | | | | | |
| Xylenes, Total | ND | 1.50 | " | | | | | | | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | <i>10.4</i> | | <i>"</i> | <i>10.0</i> | | <i>104</i> | <i>70-130</i> | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | <i>10.0</i> | | <i>"</i> | <i>10.0</i> | | <i>100</i> | <i>70-130</i> | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | <i>10.8</i> | | <i>"</i> | <i>10.0</i> | | <i>108</i> | <i>70-130</i> | | | | |



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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---|--------|-----------------|-------|-------------|----------------|------|-------------|----------|-----|-----------|------|
| Batch BC91116 - EPA 5030B | | | | | | | | | | | |
| LCS (BC91116-BS1) | | | | | | | | | | | |
| Prepared & Analyzed: 03/27/2019 | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 8.75 | | ug/L | 10.0 | | 87.5 | 82-126 | | | 30 | |
| 1,1,1-Trichloroethane | 11.8 | | " | 10.0 | | 118 | 70-130 | | | 20 | |
| 1,1,2,2-Tetrachloroethane | 11.7 | | " | 10.0 | | 117 | 70-130 | | | 20 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 12.2 | | " | 10.0 | | 122 | 70-130 | | | 20 | |
| 1,1,2-Trichloroethane | 9.71 | | " | 10.0 | | 97.1 | 70-130 | | | 20 | |
| 1,1-Dichloroethane | 11.7 | | " | 10.0 | | 117 | 70-130 | | | 20 | |
| 1,1-Dichloroethylene | 11.2 | | " | 10.0 | | 112 | 70-130 | | | 20 | |
| 1,1-Dichloropropylene | 11.1 | | " | 10.0 | | 111 | 83-133 | | | 30 | |
| 1,2,3-Trichlorobenzene | 8.89 | | " | 10.0 | | 88.9 | 70-130 | | | 20 | |
| 1,2,3-Trichloropropane | 11.9 | | " | 10.0 | | 119 | 77-128 | | | 30 | |
| 1,2,4-Trichlorobenzene | 9.00 | | " | 10.0 | | 90.0 | 70-130 | | | 20 | |
| 1,2,4-Trimethylbenzene | 10.6 | | " | 10.0 | | 106 | 82-132 | | | 20 | |
| 1,2-Dibromo-3-chloropropane | 9.78 | | " | 10.0 | | 97.8 | 40-160 | | | 20 | |
| 1,2-Dibromoethane | 9.88 | | " | 10.0 | | 98.8 | 70-130 | | | 20 | |
| 1,2-Dichlorobenzene | 10.6 | | " | 10.0 | | 106 | 70-130 | | | 20 | |
| 1,2-Dichloroethane | 11.2 | | " | 10.0 | | 112 | 70-130 | | | 20 | |
| 1,2-Dichloropropane | 10.1 | | " | 10.0 | | 101 | 70-130 | | | 20 | |
| 1,3,5-Trimethylbenzene | 10.8 | | " | 10.0 | | 108 | 80-131 | | | 30 | |
| 1,3-Dichlorobenzene | 10.2 | | " | 10.0 | | 102 | 70-130 | | | 20 | |
| 1,3-Dichloropropane | 10.0 | | " | 10.0 | | 100 | 81-125 | | | 30 | |
| 1,4-Dichlorobenzene | 10.4 | | " | 10.0 | | 104 | 70-130 | | | 20 | |
| 1,4-Dioxane | 63.1 | | " | 210 | | 30.0 | 40-160 | Low Bias | | 20 | |
| 2,2-Dichloropropane | 12.5 | | " | 10.0 | | 125 | 56-150 | | | 30 | |
| 2-Butanone | 8.35 | | " | 10.0 | | 83.5 | 40-160 | | | 20 | |
| 2-Chlorotoluene | 11.3 | | " | 10.0 | | 113 | 79-130 | | | 30 | |
| 2-Hexanone | 10.6 | | " | 10.0 | | 106 | 40-160 | | | 20 | |
| 4-Chlorotoluene | 11.1 | | " | 10.0 | | 111 | 79-128 | | | 30 | |
| 4-Methyl-2-pentanone | 10.9 | | " | 10.0 | | 109 | 40-160 | | | 20 | |
| Acetone | 9.87 | | " | 10.0 | | 98.7 | 40-160 | | | 20 | |
| Acrolein | 7.83 | | " | 10.0 | | 78.3 | 10-153 | | | 30 | |
| Acrylonitrile | 10.2 | | " | 10.0 | | 102 | 51-150 | | | 30 | |
| Benzene | 11.0 | | " | 10.0 | | 110 | 70-130 | | | 20 | |
| Bromobenzene | 11.3 | | " | 10.0 | | 113 | 78-129 | | | 30 | |
| Bromochloromethane | 11.2 | | " | 10.0 | | 112 | 70-130 | | | 20 | |
| Bromodichloromethane | 9.70 | | " | 10.0 | | 97.0 | 70-130 | | | 20 | |
| Bromoform | 6.69 | | " | 10.0 | | 66.9 | 70-130 | Low Bias | | 20 | |
| Bromomethane | 5.76 | | " | 10.0 | | 57.6 | 40-160 | | | 20 | |
| Carbon disulfide | 10.9 | | " | 10.0 | | 109 | 40-160 | | | 20 | |
| Carbon tetrachloride | 10.2 | | " | 10.0 | | 102 | 70-130 | | | 20 | |
| Chlorobenzene | 9.93 | | " | 10.0 | | 99.3 | 70-130 | | | 20 | |
| Chloroethane | 9.53 | | " | 10.0 | | 95.3 | 40-160 | | | 20 | |
| Chloroform | 11.1 | | " | 10.0 | | 111 | 70-130 | | | 20 | |
| Chloromethane | 8.61 | | " | 10.0 | | 86.1 | 40-160 | | | 20 | |
| cis-1,2-Dichloroethylene | 11.3 | | " | 10.0 | | 113 | 70-130 | | | 20 | |
| cis-1,3-Dichloropropylene | 9.82 | | " | 10.0 | | 98.2 | 70-130 | | | 20 | |
| Cyclohexane | 11.9 | | " | 10.0 | | 119 | 70-130 | | | 20 | |
| Dibromochloromethane | 8.50 | | " | 10.0 | | 85.0 | 70-130 | | | 20 | |
| Dibromomethane | 10.2 | | " | 10.0 | | 102 | 72-134 | | | 30 | |
| Dichlorodifluoromethane | 7.84 | | " | 10.0 | | 78.4 | 40-160 | | | 20 | |
| Ethyl Benzene | 10.8 | | " | 10.0 | | 108 | 70-130 | | | 20 | |
| Hexachlorobutadiene | 5.08 | | " | 10.0 | | 50.8 | 67-146 | Low Bias | | 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 BC91116 - EPA 5030B | | | | | | | | | | | |
| LCS (BC91116-BS1) | | | | | | | | | | | |
| Prepared & Analyzed: 03/27/2019 | | | | | | | | | | | |
| Isopropylbenzene | 11.8 | | ug/L | 10.0 | | 118 | 70-130 | | | 20 | |
| Methyl acetate | 10.1 | | " | 10.0 | | 101 | 70-130 | | | 20 | |
| Methyl tert-butyl ether (MTBE) | 10.7 | | " | 10.0 | | 107 | 70-130 | | | 20 | |
| Methylcyclohexane | 10.6 | | " | 10.0 | | 106 | 70-130 | | | 20 | |
| Methylene chloride | 11.9 | | " | 10.0 | | 119 | 70-130 | | | 20 | |
| n-Butylbenzene | 10.2 | | " | 10.0 | | 102 | 79-132 | | | 30 | |
| n-Propylbenzene | 11.6 | | " | 10.0 | | 116 | 78-133 | | | 30 | |
| o-Xylene | 10.1 | | " | 10.0 | | 101 | 70-130 | | | 20 | |
| p- & m- Xylenes | 21.7 | | " | 20.0 | | 109 | 70-130 | | | 20 | |
| p-Isopropyltoluene | 9.82 | | " | 10.0 | | 98.2 | 81-136 | | | 30 | |
| sec-Butylbenzene | 10.5 | | " | 10.0 | | 105 | 79-137 | | | 30 | |
| Styrene | 9.72 | | " | 10.0 | | 97.2 | 70-130 | | | 20 | |
| tert-Butyl alcohol (TBA) | 43.8 | | " | 50.0 | | 87.6 | 25-162 | | | 30 | |
| tert-Butylbenzene | 10.5 | | " | 10.0 | | 105 | 77-138 | | | 30 | |
| Tetrachloroethylene | 8.46 | | " | 10.0 | | 84.6 | 70-130 | | | 20 | |
| Toluene | 10.6 | | " | 10.0 | | 106 | 70-130 | | | 20 | |
| trans-1,2-Dichloroethylene | 10.9 | | " | 10.0 | | 109 | 70-130 | | | 20 | |
| trans-1,3-Dichloropropylene | 9.63 | | " | 10.0 | | 96.3 | 70-130 | | | 20 | |
| Trichloroethylene | 10.7 | | " | 10.0 | | 107 | 70-130 | | | 20 | |
| Trichlorofluoromethane | 10.1 | | " | 10.0 | | 101 | 40-160 | | | 20 | |
| Vinyl acetate | 12.2 | | " | 10.0 | | 122 | 21-90 | High Bias | | 30 | |
| Vinyl Chloride | 9.70 | | " | 10.0 | | 97.0 | 70-130 | | | 20 | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | <i>10.1</i> | | <i>"</i> | <i>10.0</i> | | <i>101</i> | <i>70-130</i> | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | <i>10.6</i> | | <i>"</i> | <i>10.0</i> | | <i>106</i> | <i>70-130</i> | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | <i>10.6</i> | | <i>"</i> | <i>10.0</i> | | <i>106</i> | <i>70-130</i> | | | | |
| LCS Dup (BC91116-BSD1) | | | | | | | | | | | |
| Prepared & Analyzed: 03/27/2019 | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 8.41 | | ug/L | 10.0 | | 84.1 | 82-126 | | 3.96 | 30 | |
| 1,1,1-Trichloroethane | 11.0 | | " | 10.0 | | 110 | 70-130 | | 7.13 | 20 | |
| 1,1,2,2-Tetrachloroethane | 11.8 | | " | 10.0 | | 118 | 70-130 | | 0.594 | 20 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 11.3 | | " | 10.0 | | 113 | 70-130 | | 8.07 | 20 | |
| 1,1,2-Trichloroethane | 9.19 | | " | 10.0 | | 91.9 | 70-130 | | 5.50 | 20 | |
| 1,1-Dichloroethane | 11.0 | | " | 10.0 | | 110 | 70-130 | | 6.10 | 20 | |
| 1,1-Dichloroethylene | 10.5 | | " | 10.0 | | 105 | 70-130 | | 6.92 | 20 | |
| 1,1-Dichloropropylene | 10.6 | | " | 10.0 | | 106 | 83-133 | | 4.05 | 30 | |
| 1,2,3-Trichlorobenzene | 8.80 | | " | 10.0 | | 88.0 | 70-130 | | 1.02 | 20 | |
| 1,2,3-Trichloropropane | 11.3 | | " | 10.0 | | 113 | 77-128 | | 4.91 | 30 | |
| 1,2,4-Trichlorobenzene | 8.77 | | " | 10.0 | | 87.7 | 70-130 | | 2.59 | 20 | |
| 1,2,4-Trimethylbenzene | 10.2 | | " | 10.0 | | 102 | 82-132 | | 4.51 | 20 | |
| 1,2-Dibromo-3-chloropropane | 9.59 | | " | 10.0 | | 95.9 | 40-160 | | 1.96 | 20 | |
| 1,2-Dibromoethane | 9.45 | | " | 10.0 | | 94.5 | 70-130 | | 4.45 | 20 | |
| 1,2-Dichlorobenzene | 10.2 | | " | 10.0 | | 102 | 70-130 | | 4.05 | 20 | |
| 1,2-Dichloroethane | 11.2 | | " | 10.0 | | 112 | 70-130 | | 0.267 | 20 | |
| 1,2-Dichloropropane | 9.59 | | " | 10.0 | | 95.9 | 70-130 | | 5.18 | 20 | |
| 1,3,5-Trimethylbenzene | 10.5 | | " | 10.0 | | 105 | 80-131 | | 3.11 | 30 | |
| 1,3-Dichlorobenzene | 9.94 | | " | 10.0 | | 99.4 | 70-130 | | 2.39 | 20 | |
| 1,3-Dichloropropane | 9.64 | | " | 10.0 | | 96.4 | 81-125 | | 3.97 | 30 | |
| 1,4-Dichlorobenzene | 10.0 | | " | 10.0 | | 100 | 70-130 | | 3.73 | 20 | |
| 1,4-Dioxane | 60.6 | | " | 210 | | 28.9 | 40-160 | Low Bias | 3.98 | 20 | |
| 2,2-Dichloropropane | 11.7 | | " | 10.0 | | 117 | 56-150 | | 6.62 | 30 | |
| 2-Butanone | 10.3 | | " | 10.0 | | 103 | 40-160 | | 21.2 | 20 | Non-dir. |



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 BC91116 - EPA 5030B | | | | | | | | | | | |
| LCS Dup (BC91116-BSD1) | | | | | | | | | | | |
| | | | | | | | | | | Prepared & Analyzed: 03/27/2019 | |
| 2-Chlorotoluene | 11.0 | | ug/L | 10.0 | | 110 | 79-130 | | 2.68 | 30 | |
| 2-Hexanone | 10.2 | | " | 10.0 | | 102 | 40-160 | | 4.12 | 20 | |
| 4-Chlorotoluene | 10.5 | | " | 10.0 | | 105 | 79-128 | | 5.18 | 30 | |
| 4-Methyl-2-pentanone | 10.1 | | " | 10.0 | | 101 | 40-160 | | 6.86 | 20 | |
| Acetone | 9.76 | | " | 10.0 | | 97.6 | 40-160 | | 1.12 | 20 | |
| Acrolein | 7.69 | | " | 10.0 | | 76.9 | 10-153 | | 1.80 | 30 | |
| Acrylonitrile | 10.9 | | " | 10.0 | | 109 | 51-150 | | 7.31 | 30 | |
| Benzene | 10.6 | | " | 10.0 | | 106 | 70-130 | | 4.18 | 20 | |
| Bromobenzene | 10.7 | | " | 10.0 | | 107 | 78-129 | | 4.82 | 30 | |
| Bromochloromethane | 11.0 | | " | 10.0 | | 110 | 70-130 | | 2.61 | 20 | |
| Bromodichloromethane | 9.18 | | " | 10.0 | | 91.8 | 70-130 | | 5.51 | 20 | |
| Bromoform | 6.48 | | " | 10.0 | | 64.8 | 70-130 | Low Bias | 3.19 | 20 | |
| Bromomethane | 5.80 | | " | 10.0 | | 58.0 | 40-160 | | 0.692 | 20 | |
| Carbon disulfide | 10.3 | | " | 10.0 | | 103 | 40-160 | | 5.64 | 20 | |
| Carbon tetrachloride | 9.85 | | " | 10.0 | | 98.5 | 70-130 | | 3.78 | 20 | |
| Chlorobenzene | 9.34 | | " | 10.0 | | 93.4 | 70-130 | | 6.12 | 20 | |
| Chloroethane | 9.05 | | " | 10.0 | | 90.5 | 40-160 | | 5.17 | 20 | |
| Chloroform | 10.8 | | " | 10.0 | | 108 | 70-130 | | 2.83 | 20 | |
| Chloromethane | 7.14 | | " | 10.0 | | 71.4 | 40-160 | | 18.7 | 20 | |
| cis-1,2-Dichloroethylene | 10.9 | | " | 10.0 | | 109 | 70-130 | | 2.88 | 20 | |
| cis-1,3-Dichloropropylene | 9.18 | | " | 10.0 | | 91.8 | 70-130 | | 6.74 | 20 | |
| Cyclohexane | 11.1 | | " | 10.0 | | 111 | 70-130 | | 7.20 | 20 | |
| Dibromochloromethane | 8.10 | | " | 10.0 | | 81.0 | 70-130 | | 4.82 | 20 | |
| Dibromomethane | 9.90 | | " | 10.0 | | 99.0 | 72-134 | | 3.28 | 30 | |
| Dichlorodifluoromethane | 6.65 | | " | 10.0 | | 66.5 | 40-160 | | 16.4 | 20 | |
| Ethyl Benzene | 9.92 | | " | 10.0 | | 99.2 | 70-130 | | 8.59 | 20 | |
| Hexachlorobutadiene | 5.20 | | " | 10.0 | | 52.0 | 67-146 | Low Bias | 2.33 | 30 | |
| Isopropylbenzene | 11.4 | | " | 10.0 | | 114 | 70-130 | | 3.45 | 20 | |
| Methyl acetate | 10.4 | | " | 10.0 | | 104 | 70-130 | | 2.34 | 20 | |
| Methyl tert-butyl ether (MTBE) | 10.7 | | " | 10.0 | | 107 | 70-130 | | 0.0937 | 20 | |
| Methylcyclohexane | 9.75 | | " | 10.0 | | 97.5 | 70-130 | | 8.26 | 20 | |
| Methylene chloride | 11.6 | | " | 10.0 | | 116 | 70-130 | | 2.47 | 20 | |
| n-Butylbenzene | 10.4 | | " | 10.0 | | 104 | 79-132 | | 2.52 | 30 | |
| n-Propylbenzene | 11.4 | | " | 10.0 | | 114 | 78-133 | | 2.01 | 30 | |
| o-Xylene | 9.45 | | " | 10.0 | | 94.5 | 70-130 | | 6.35 | 20 | |
| p- & m- Xylenes | 20.1 | | " | 20.0 | | 101 | 70-130 | | 7.55 | 20 | |
| p-Isopropyltoluene | 9.85 | | " | 10.0 | | 98.5 | 81-136 | | 0.305 | 30 | |
| sec-Butylbenzene | 10.7 | | " | 10.0 | | 107 | 79-137 | | 2.17 | 30 | |
| Styrene | 9.09 | | " | 10.0 | | 90.9 | 70-130 | | 6.70 | 20 | |
| tert-Butyl alcohol (TBA) | 45.0 | | " | 50.0 | | 90.1 | 25-162 | | 2.77 | 30 | |
| tert-Butylbenzene | 10.5 | | " | 10.0 | | 105 | 77-138 | | 0.190 | 30 | |
| Tetrachloroethylene | 7.64 | | " | 10.0 | | 76.4 | 70-130 | | 10.2 | 20 | |
| Toluene | 9.77 | | " | 10.0 | | 97.7 | 70-130 | | 7.87 | 20 | |
| trans-1,2-Dichloroethylene | 10.3 | | " | 10.0 | | 103 | 70-130 | | 6.32 | 20 | |
| trans-1,3-Dichloropropylene | 8.92 | | " | 10.0 | | 89.2 | 70-130 | | 7.65 | 20 | |
| Trichloroethylene | 9.53 | | " | 10.0 | | 95.3 | 70-130 | | 11.2 | 20 | |
| Trichlorofluoromethane | 9.26 | | " | 10.0 | | 92.6 | 40-160 | | 8.58 | 20 | |
| Vinyl acetate | 12.2 | | " | 10.0 | | 122 | 21-90 | High Bias | 0.328 | 30 | |
| Vinyl Chloride | 8.24 | | " | 10.0 | | 82.4 | 70-130 | | 16.3 | 20 | |
| Surrogate: Surr: 1,2-Dichloroethane-d4 | 10.3 | | " | 10.0 | | 103 | 70-130 | | | | |
| Surrogate: Surr: Toluene-d8 | 10.0 | | " | 10.0 | | 100 | 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 BC91116 - EPA 5030B

LCS Dup (BC91116-BSD1)

Prepared & Analyzed: 03/27/2019

Surrogate: *SURR: p-Bromofluorobenzene* 10.8 ug/L 10.0 108 70-130

Batch BC91294 - EPA 5035A

Blank (BC91294-BLK1)

Prepared & Analyzed: 03/27/2019

| | | | |
|---|----|--------|-----------|
| 1,1,1,2-Tetrachloroethane | ND | 0.0050 | mg/kg wet |
| 1,1,1-Trichloroethane | ND | 0.0050 | " |
| 1,1,2,2-Tetrachloroethane | ND | 0.0050 | " |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.0050 | " |
| 1,1,2-Trichloroethane | ND | 0.0050 | " |
| 1,1-Dichloroethane | ND | 0.0050 | " |
| 1,1-Dichloroethylene | ND | 0.0050 | " |
| 1,1-Dichloropropylene | ND | 0.0050 | " |
| 1,2,3-Trichlorobenzene | ND | 0.0050 | " |
| 1,2,3-Trichloropropane | ND | 0.0050 | " |
| 1,2,4-Trichlorobenzene | ND | 0.0050 | " |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " |
| 1,2-Dibromoethane | ND | 0.0050 | " |
| 1,2-Dichlorobenzene | ND | 0.0050 | " |
| 1,2-Dichloroethane | ND | 0.0050 | " |
| 1,2-Dichloropropane | ND | 0.0050 | " |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " |
| 1,3-Dichlorobenzene | ND | 0.0050 | " |
| 1,3-Dichloropropane | ND | 0.0050 | " |
| 1,4-Dichlorobenzene | ND | 0.0050 | " |
| 1,4-Dioxane | ND | 0.10 | " |
| 2,2-Dichloropropane | ND | 0.0050 | " |
| 2-Butanone | ND | 0.0050 | " |
| 2-Chlorotoluene | ND | 0.0050 | " |
| 2-Hexanone | ND | 0.0050 | " |
| 4-Chlorotoluene | ND | 0.0050 | " |
| 4-Methyl-2-pentanone | ND | 0.0050 | " |
| Acetone | ND | 0.010 | " |
| Acrolein | ND | 0.010 | " |
| Acrylonitrile | ND | 0.0050 | " |
| Benzene | ND | 0.0050 | " |
| Bromobenzene | ND | 0.0050 | " |
| Bromochloromethane | ND | 0.0050 | " |
| Bromodichloromethane | ND | 0.0050 | " |
| Bromoform | ND | 0.0050 | " |
| Bromomethane | ND | 0.0050 | " |
| Carbon disulfide | ND | 0.0050 | " |
| Carbon tetrachloride | ND | 0.0050 | " |
| Chlorobenzene | ND | 0.0050 | " |
| Chloroethane | ND | 0.0050 | " |
| Chloroform | ND | 0.0050 | " |
| Chloromethane | ND | 0.0050 | " |
| cis-1,2-Dichloroethylene | ND | 0.0050 | " |
| cis-1,3-Dichloropropylene | ND | 0.0050 | " |
| Cyclohexane | ND | 0.0050 | " |



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

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

Batch BC91294 - EPA 5035A

Blank (BC91294-BLK1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|---|-------------|--------|-------------|-------------|--|-------------|--|---------------|--|--|--|
| Dibromochloromethane | ND | 0.0050 | mg/kg wet | | | | | | | | |
| Dibromomethane | ND | 0.0050 | " | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.0050 | " | | | | | | | | |
| Ethyl Benzene | ND | 0.0050 | " | | | | | | | | |
| Hexachlorobutadiene | ND | 0.0050 | " | | | | | | | | |
| Isopropylbenzene | ND | 0.0050 | " | | | | | | | | |
| Methyl acetate | ND | 0.0050 | " | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.0050 | " | | | | | | | | |
| Methylcyclohexane | ND | 0.0050 | " | | | | | | | | |
| Methylene chloride | ND | 0.010 | " | | | | | | | | |
| n-Butylbenzene | ND | 0.0050 | " | | | | | | | | |
| n-Propylbenzene | ND | 0.0050 | " | | | | | | | | |
| o-Xylene | ND | 0.0050 | " | | | | | | | | |
| p- & m- Xylenes | ND | 0.010 | " | | | | | | | | |
| p-Isopropyltoluene | ND | 0.0050 | " | | | | | | | | |
| sec-Butylbenzene | ND | 0.0050 | " | | | | | | | | |
| Styrene | ND | 0.0050 | " | | | | | | | | |
| tert-Butyl alcohol (TBA) | ND | 0.0050 | " | | | | | | | | |
| tert-Butylbenzene | ND | 0.0050 | " | | | | | | | | |
| Tetrachloroethylene | ND | 0.0050 | " | | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.0050 | " | | | | | | | | |
| trans-1,3-Dichloropropylene | ND | 0.0050 | " | | | | | | | | |
| Trichloroethylene | ND | 0.0050 | " | | | | | | | | |
| Trichlorofluoromethane | ND | 0.0050 | " | | | | | | | | |
| Vinyl acetate | ND | 0.0050 | " | | | | | | | | |
| Vinyl Chloride | ND | 0.0050 | " | | | | | | | | |
| Xylenes, Total | ND | 0.015 | " | | | | | | | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | <i>49.4</i> | | <i>ug/L</i> | <i>50.0</i> | | <i>98.8</i> | | <i>77-125</i> | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | <i>49.4</i> | | <i>"</i> | <i>50.0</i> | | <i>98.9</i> | | <i>85-120</i> | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | <i>53.8</i> | | <i>"</i> | <i>50.0</i> | | <i>108</i> | | <i>76-130</i> | | | |



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC91294 - EPA 5035A

LCS (BC91294-BS1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|----------|--|--|--|
| 1,1,1,2-Tetrachloroethane | 54.0 | | ug/L | 50.0 | | 108 | 75-129 | | | | |
| 1,1,1-Trichloroethane | 54.7 | | " | 50.0 | | 109 | 71-137 | | | | |
| 1,1,2,2-Tetrachloroethane | 54.6 | | " | 50.0 | | 109 | 79-129 | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 49.4 | | " | 50.0 | | 98.7 | 58-146 | | | | |
| 1,1,2-Trichloroethane | 51.7 | | " | 50.0 | | 103 | 83-123 | | | | |
| 1,1-Dichloroethane | 49.8 | | " | 50.0 | | 99.7 | 75-130 | | | | |
| 1,1-Dichloroethylene | 46.1 | | " | 50.0 | | 92.1 | 64-137 | | | | |
| 1,1-Dichloropropylene | 49.8 | | " | 50.0 | | 99.7 | 77-127 | | | | |
| 1,2,3-Trichlorobenzene | 51.2 | | " | 50.0 | | 102 | 81-140 | | | | |
| 1,2,3-Trichloropropane | 51.2 | | " | 50.0 | | 102 | 81-126 | | | | |
| 1,2,4-Trichlorobenzene | 52.7 | | " | 50.0 | | 105 | 80-141 | | | | |
| 1,2,4-Trimethylbenzene | 51.5 | | " | 50.0 | | 103 | 84-125 | | | | |
| 1,2-Dibromo-3-chloropropane | 56.4 | | " | 50.0 | | 113 | 74-142 | | | | |
| 1,2-Dibromoethane | 53.8 | | " | 50.0 | | 108 | 86-123 | | | | |
| 1,2-Dichlorobenzene | 51.3 | | " | 50.0 | | 103 | 85-122 | | | | |
| 1,2-Dichloroethane | 3.06 | | " | 50.0 | | 6.12 | 71-133 | Low Bias | | | |
| 1,2-Dichloropropane | 48.7 | | " | 50.0 | | 97.4 | 81-122 | | | | |
| 1,3,5-Trimethylbenzene | 50.5 | | " | 50.0 | | 101 | 82-126 | | | | |
| 1,3-Dichlorobenzene | 51.7 | | " | 50.0 | | 103 | 84-124 | | | | |
| 1,3-Dichloropropane | 52.5 | | " | 50.0 | | 105 | 83-123 | | | | |
| 1,4-Dichlorobenzene | 51.9 | | " | 50.0 | | 104 | 84-124 | | | | |
| 1,4-Dioxane | 13.0 | | " | 1050 | | 1.23 | 10-228 | Low Bias | | | |
| 2,2-Dichloropropane | 58.7 | | " | 50.0 | | 117 | 67-136 | | | | |
| 2-Butanone | 22.0 | | " | 50.0 | | 44.1 | 58-147 | Low Bias | | | |
| 2-Chlorotoluene | 51.5 | | " | 50.0 | | 103 | 78-127 | | | | |
| 2-Hexanone | 52.5 | | " | 50.0 | | 105 | 70-139 | | | | |
| 4-Chlorotoluene | 50.4 | | " | 50.0 | | 101 | 79-125 | | | | |
| 4-Methyl-2-pentanone | 51.0 | | " | 50.0 | | 102 | 72-132 | | | | |
| Acetone | 44.3 | | " | 50.0 | | 88.6 | 36-155 | | | | |
| Acrolein | 58.3 | | " | 50.0 | | 117 | 10-238 | | | | |
| Acrylonitrile | 50.4 | | " | 50.0 | | 101 | 66-141 | | | | |
| Benzene | 51.8 | | " | 50.0 | | 104 | 77-127 | | | | |
| Bromobenzene | 50.1 | | " | 50.0 | | 100 | 77-129 | | | | |
| Bromochloromethane | 50.4 | | " | 50.0 | | 101 | 74-129 | | | | |
| Bromodichloromethane | 53.5 | | " | 50.0 | | 107 | 81-124 | | | | |
| Bromoform | 47.8 | | " | 50.0 | | 95.5 | 80-136 | | | | |
| Bromomethane | 37.0 | | " | 50.0 | | 74.0 | 32-177 | | | | |
| Carbon disulfide | 53.7 | | " | 50.0 | | 107 | 10-136 | | | | |
| Carbon tetrachloride | 50.7 | | " | 50.0 | | 101 | 66-143 | | | | |
| Chlorobenzene | 49.2 | | " | 50.0 | | 98.3 | 86-120 | | | | |
| Chloroethane | 46.6 | | " | 50.0 | | 93.2 | 51-142 | | | | |
| Chloroform | 51.7 | | " | 50.0 | | 103 | 76-131 | | | | |
| Chloromethane | 33.1 | | " | 50.0 | | 66.3 | 49-132 | | | | |
| cis-1,2-Dichloroethylene | 53.7 | | " | 50.0 | | 107 | 74-132 | | | | |
| cis-1,3-Dichloropropylene | 57.9 | | " | 50.0 | | 116 | 81-129 | | | | |
| Cyclohexane | 47.8 | | " | 50.0 | | 95.7 | 70-130 | | | | |
| Dibromochloromethane | 55.1 | | " | 50.0 | | 110 | 10-200 | | | | |
| Dibromomethane | 51.9 | | " | 50.0 | | 104 | 83-124 | | | | |
| Dichlorodifluoromethane | 27.0 | | " | 50.0 | | 54.0 | 28-158 | | | | |
| Ethyl Benzene | 50.6 | | " | 50.0 | | 101 | 84-125 | | | | |
| Hexachlorobutadiene | 54.5 | | " | 50.0 | | 109 | 83-133 | | | | |



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC91294 - EPA 5035A

LCS (BC91294-BS1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|-----------|--|--|--|
| Isopropylbenzene | 50.2 | | ug/L | 50.0 | | 100 | 81-127 | | | | |
| Methyl acetate | 44.7 | | " | 50.0 | | 89.4 | 41-143 | | | | |
| Methyl tert-butyl ether (MTBE) | 36.7 | | " | 50.0 | | 73.4 | 74-131 | Low Bias | | | |
| Methylcyclohexane | 48.0 | | " | 50.0 | | 96.1 | 70-130 | | | | |
| Methylene chloride | 50.9 | | " | 50.0 | | 102 | 57-141 | | | | |
| n-Butylbenzene | 71.5 | | " | 50.0 | | 143 | 80-130 | High Bias | | | |
| n-Propylbenzene | 50.4 | | " | 50.0 | | 101 | 74-136 | | | | |
| o-Xylene | 51.6 | | " | 50.0 | | 103 | 83-123 | | | | |
| p- & m- Xylenes | 102 | | " | 100 | | 102 | 82-128 | | | | |
| p-Isopropyltoluene | 53.0 | | " | 50.0 | | 106 | 85-125 | | | | |
| sec-Butylbenzene | 53.4 | | " | 50.0 | | 107 | 83-125 | | | | |
| Styrene | 54.2 | | " | 50.0 | | 108 | 86-126 | | | | |
| tert-Butyl alcohol (TBA) | 94.8 | | " | 250 | | 37.9 | 70-130 | Low Bias | | | |
| tert-Butylbenzene | 51.2 | | " | 50.0 | | 102 | 80-127 | | | | |
| Tetrachloroethylene | 36.9 | | " | 50.0 | | 73.8 | 80-129 | Low Bias | | | |
| Toluene | 46.0 | | " | 50.0 | | 92.0 | 85-121 | | | | |
| trans-1,2-Dichloroethylene | 47.9 | | " | 50.0 | | 95.7 | 72-132 | | | | |
| trans-1,3-Dichloropropylene | 57.8 | | " | 50.0 | | 116 | 78-132 | | | | |
| Trichloroethylene | 49.4 | | " | 50.0 | | 98.8 | 84-123 | | | | |
| Trichlorofluoromethane | 44.9 | | " | 50.0 | | 89.9 | 62-140 | | | | |
| Vinyl acetate | 76.7 | | " | 50.0 | | 153 | 67-136 | High Bias | | | |
| Vinyl Chloride | 43.3 | | " | 50.0 | | 86.6 | 52-130 | | | | |
| Surrogate: SURRE: 1,2-Dichloroethane-d4 | 48.9 | | " | 50.0 | | 97.8 | 77-125 | | | | |
| Surrogate: SURRE: Toluene-d8 | 48.5 | | " | 50.0 | | 97.1 | 85-120 | | | | |
| Surrogate: SURRE: p-Bromofluorobenzene | 50.6 | | " | 50.0 | | 101 | 76-130 | | | | |

LCS Dup (BC91294-BSD1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|-------|----|----------|--|
| 1,1,1,2-Tetrachloroethane | 55.1 | | ug/L | 50.0 | | 110 | 75-129 | 2.07 | 30 | | |
| 1,1,1-Trichloroethane | 54.5 | | " | 50.0 | | 109 | 71-137 | 0.495 | 30 | | |
| 1,1,2,2-Tetrachloroethane | 56.7 | | " | 50.0 | | 113 | 79-129 | 3.81 | 30 | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 50.2 | | " | 50.0 | | 100 | 58-146 | 1.63 | 30 | | |
| 1,1,2-Trichloroethane | 53.4 | | " | 50.0 | | 107 | 83-123 | 3.23 | 30 | | |
| 1,1-Dichloroethane | 51.1 | | " | 50.0 | | 102 | 75-130 | 2.54 | 30 | | |
| 1,1-Dichloroethylene | 46.8 | | " | 50.0 | | 93.7 | 64-137 | 1.68 | 30 | | |
| 1,1-Dichloropropylene | 50.1 | | " | 50.0 | | 100 | 77-127 | 0.560 | 30 | | |
| 1,2,3-Trichlorobenzene | 53.1 | | " | 50.0 | | 106 | 81-140 | 3.64 | 30 | | |
| 1,2,3-Trichloropropane | 50.7 | | " | 50.0 | | 101 | 81-126 | 0.942 | 30 | | |
| 1,2,4-Trichlorobenzene | 54.4 | | " | 50.0 | | 109 | 80-141 | 3.27 | 30 | | |
| 1,2,4-Trimethylbenzene | 52.0 | | " | 50.0 | | 104 | 84-125 | 0.967 | 30 | | |
| 1,2-Dibromo-3-chloropropane | 57.6 | | " | 50.0 | | 115 | 74-142 | 2.12 | 30 | | |
| 1,2-Dibromoethane | 55.1 | | " | 50.0 | | 110 | 86-123 | 2.26 | 30 | | |
| 1,2-Dichlorobenzene | 50.9 | | " | 50.0 | | 102 | 85-122 | 0.803 | 30 | | |
| 1,2-Dichloroethane | 52.6 | | " | 50.0 | | 105 | 71-133 | 178 | 30 | Non-dir. | |
| 1,2-Dichloropropane | 50.6 | | " | 50.0 | | 101 | 81-122 | 3.73 | 30 | | |
| 1,3,5-Trimethylbenzene | 51.4 | | " | 50.0 | | 103 | 82-126 | 1.85 | 30 | | |
| 1,3-Dichlorobenzene | 53.0 | | " | 50.0 | | 106 | 84-124 | 2.48 | 30 | | |
| 1,3-Dichloropropane | 53.4 | | " | 50.0 | | 107 | 83-123 | 1.72 | 30 | | |
| 1,4-Dichlorobenzene | 53.5 | | " | 50.0 | | 107 | 84-124 | 2.98 | 30 | | |
| 1,4-Dioxane | 275 | | " | 1050 | | 26.2 | 10-228 | 182 | 30 | Non-dir. | |
| 2,2-Dichloropropane | 61.1 | | " | 50.0 | | 122 | 67-136 | 3.95 | 30 | | |
| 2-Butanone | 63.8 | | " | 50.0 | | 128 | 58-147 | 97.3 | 30 | Non-dir. | |



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 BC91294 - EPA 5035A | | | | | | | | | | | |
| LCS Dup (BC91294-BSD1) | | | | | | | | | | | |
| | | | | | | | | | | Prepared & Analyzed: 03/27/2019 | |
| 2-Chlorotoluene | 54.2 | | ug/L | 50.0 | | 108 | 78-127 | | 5.05 | 30 | |
| 2-Hexanone | 55.0 | | " | 50.0 | | 110 | 70-139 | | 4.61 | 30 | |
| 4-Chlorotoluene | 52.1 | | " | 50.0 | | 104 | 79-125 | | 3.35 | 30 | |
| 4-Methyl-2-pentanone | 52.8 | | " | 50.0 | | 106 | 72-132 | | 3.49 | 30 | |
| Acetone | 45.3 | | " | 50.0 | | 90.6 | 36-155 | | 2.23 | 30 | |
| Acrolein | 58.0 | | " | 50.0 | | 116 | 10-238 | | 0.447 | 30 | |
| Acrylonitrile | 53.0 | | " | 50.0 | | 106 | 66-141 | | 4.99 | 30 | |
| Benzene | 52.8 | | " | 50.0 | | 106 | 77-127 | | 1.93 | 30 | |
| Bromobenzene | 52.3 | | " | 50.0 | | 105 | 77-129 | | 4.22 | 30 | |
| Bromochloromethane | 52.4 | | " | 50.0 | | 105 | 74-129 | | 3.99 | 30 | |
| Bromodichloromethane | 55.5 | | " | 50.0 | | 111 | 81-124 | | 3.67 | 30 | |
| Bromoform | 48.6 | | " | 50.0 | | 97.2 | 80-136 | | 1.70 | 30 | |
| Bromomethane | 37.4 | | " | 50.0 | | 74.7 | 32-177 | | 0.995 | 30 | |
| Carbon disulfide | 53.8 | | " | 50.0 | | 108 | 10-136 | | 0.149 | 30 | |
| Carbon tetrachloride | 52.1 | | " | 50.0 | | 104 | 66-143 | | 2.70 | 30 | |
| Chlorobenzene | 50.4 | | " | 50.0 | | 101 | 86-120 | | 2.53 | 30 | |
| Chloroethane | 43.6 | | " | 50.0 | | 87.2 | 51-142 | | 6.68 | 30 | |
| Chloroform | 53.0 | | " | 50.0 | | 106 | 76-131 | | 2.50 | 30 | |
| Chloromethane | 36.2 | | " | 50.0 | | 72.5 | 49-132 | | 8.99 | 30 | |
| cis-1,2-Dichloroethylene | 54.4 | | " | 50.0 | | 109 | 74-132 | | 1.20 | 30 | |
| cis-1,3-Dichloropropylene | 59.4 | | " | 50.0 | | 119 | 81-129 | | 2.63 | 30 | |
| Cyclohexane | 48.0 | | " | 50.0 | | 96.0 | 70-130 | | 0.313 | 30 | |
| Dibromochloromethane | 56.6 | | " | 50.0 | | 113 | 10-200 | | 2.77 | 30 | |
| Dibromomethane | 51.8 | | " | 50.0 | | 104 | 83-124 | | 0.154 | 30 | |
| Dichlorodifluoromethane | 25.6 | | " | 50.0 | | 51.2 | 28-158 | | 5.32 | 30 | |
| Ethyl Benzene | 51.8 | | " | 50.0 | | 104 | 84-125 | | 2.26 | 30 | |
| Hexachlorobutadiene | 53.1 | | " | 50.0 | | 106 | 83-133 | | 2.60 | 30 | |
| Isopropylbenzene | 51.4 | | " | 50.0 | | 103 | 81-127 | | 2.46 | 30 | |
| Methyl acetate | 47.0 | | " | 50.0 | | 93.9 | 41-143 | | 4.95 | 30 | |
| Methyl tert-butyl ether (MTBE) | 37.9 | | " | 50.0 | | 75.8 | 74-131 | | 3.22 | 30 | |
| Methylcyclohexane | 49.0 | | " | 50.0 | | 98.1 | 70-130 | | 2.04 | 30 | |
| Methylene chloride | 52.6 | | " | 50.0 | | 105 | 57-141 | | 3.13 | 30 | |
| n-Butylbenzene | 50.9 | | " | 50.0 | | 102 | 80-130 | | 33.7 | 30 | Non-dir. |
| n-Propylbenzene | 52.7 | | " | 50.0 | | 105 | 74-136 | | 4.46 | 30 | |
| o-Xylene | 52.6 | | " | 50.0 | | 105 | 83-123 | | 1.77 | 30 | |
| p- & m- Xylenes | 103 | | " | 100 | | 103 | 82-128 | | 1.70 | 30 | |
| p-Isopropyltoluene | 54.3 | | " | 50.0 | | 109 | 85-125 | | 2.46 | 30 | |
| sec-Butylbenzene | 54.4 | | " | 50.0 | | 109 | 83-125 | | 1.87 | 30 | |
| Styrene | 55.8 | | " | 50.0 | | 112 | 86-126 | | 2.96 | 30 | |
| tert-Butyl alcohol (TBA) | 99.6 | | " | 250 | | 39.9 | 70-130 | Low Bias | 5.00 | 30 | |
| tert-Butylbenzene | 52.0 | | " | 50.0 | | 104 | 80-127 | | 1.61 | 30 | |
| Tetrachloroethylene | 38.3 | | " | 50.0 | | 76.6 | 80-129 | Low Bias | 3.72 | 30 | |
| Toluene | 46.8 | | " | 50.0 | | 93.5 | 85-121 | | 1.62 | 30 | |
| trans-1,2-Dichloroethylene | 48.3 | | " | 50.0 | | 96.5 | 72-132 | | 0.811 | 30 | |
| trans-1,3-Dichloropropylene | 60.0 | | " | 50.0 | | 120 | 78-132 | | 3.82 | 30 | |
| Trichloroethylene | 49.8 | | " | 50.0 | | 99.6 | 84-123 | | 0.726 | 30 | |
| Trichlorofluoromethane | 46.2 | | " | 50.0 | | 92.3 | 62-140 | | 2.70 | 30 | |
| Vinyl acetate | 79.5 | | " | 50.0 | | 159 | 67-136 | High Bias | 3.51 | 30 | |
| Vinyl Chloride | 42.5 | | " | 50.0 | | 85.1 | 52-130 | | 1.75 | 30 | |
| Surrogate: Surr: 1,2-Dichloroethane-d4 | 49.3 | | " | 50.0 | | 98.6 | 77-125 | | | | |
| Surrogate: Surr: Toluene-d8 | 49.6 | | " | 50.0 | | 99.3 | 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 BC91294 - EPA 5035A

LCS Dup (BC91294-BSD1)

Prepared & Analyzed: 03/27/2019

Surrogate: *SURR: p-Bromofluorobenzene* 52.4 ug/L 50.0 105 76-130

Batch BC91296 - EPA 5035A

Blank (BC91296-BLK1)

Prepared & Analyzed: 03/27/2019

| | | | |
|---|----|--------|-----------|
| 1,1,1,2-Tetrachloroethane | ND | 0.0050 | mg/kg wet |
| 1,1,1-Trichloroethane | ND | 0.0050 | " |
| 1,1,2,2-Tetrachloroethane | ND | 0.0050 | " |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.0050 | " |
| 1,1,2-Trichloroethane | ND | 0.0050 | " |
| 1,1-Dichloroethane | ND | 0.0050 | " |
| 1,1-Dichloroethylene | ND | 0.0050 | " |
| 1,1-Dichloropropylene | ND | 0.0050 | " |
| 1,2,3-Trichlorobenzene | ND | 0.0050 | " |
| 1,2,3-Trichloropropane | ND | 0.0050 | " |
| 1,2,4-Trichlorobenzene | ND | 0.0050 | " |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " |
| 1,2-Dibromoethane | ND | 0.0050 | " |
| 1,2-Dichlorobenzene | ND | 0.0050 | " |
| 1,2-Dichloroethane | ND | 0.0050 | " |
| 1,2-Dichloropropane | ND | 0.0050 | " |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " |
| 1,3-Dichlorobenzene | ND | 0.0050 | " |
| 1,3-Dichloropropane | ND | 0.0050 | " |
| 1,4-Dichlorobenzene | ND | 0.0050 | " |
| 1,4-Dioxane | ND | 0.10 | " |
| 2,2-Dichloropropane | ND | 0.0050 | " |
| 2-Butanone | ND | 0.0050 | " |
| 2-Chlorotoluene | ND | 0.0050 | " |
| 2-Hexanone | ND | 0.0050 | " |
| 4-Chlorotoluene | ND | 0.0050 | " |
| 4-Methyl-2-pentanone | ND | 0.0050 | " |
| Acetone | ND | 0.010 | " |
| Acrolein | ND | 0.010 | " |
| Acrylonitrile | ND | 0.0050 | " |
| Benzene | ND | 0.0050 | " |
| Bromobenzene | ND | 0.0050 | " |
| Bromochloromethane | ND | 0.0050 | " |
| Bromodichloromethane | ND | 0.0050 | " |
| Bromoform | ND | 0.0050 | " |
| Bromomethane | ND | 0.0050 | " |
| Carbon disulfide | ND | 0.0050 | " |
| Carbon tetrachloride | ND | 0.0050 | " |
| Chlorobenzene | ND | 0.0050 | " |
| Chloroethane | ND | 0.0050 | " |
| Chloroform | ND | 0.0050 | " |
| Chloromethane | ND | 0.0050 | " |
| cis-1,2-Dichloroethylene | ND | 0.0050 | " |
| cis-1,3-Dichloropropylene | ND | 0.0050 | " |
| Cyclohexane | ND | 0.0050 | " |



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC91296 - EPA 5035A

Blank (BC91296-BLK1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | | | |
|---|-------------|--------|-------------|-------------|--|------------|---------------|--|--|--|--|--|--|
| Dibromochloromethane | ND | 0.0050 | mg/kg wet | | | | | | | | | | |
| Dibromomethane | ND | 0.0050 | " | | | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.0050 | " | | | | | | | | | | |
| Ethyl Benzene | ND | 0.0050 | " | | | | | | | | | | |
| Hexachlorobutadiene | ND | 0.0050 | " | | | | | | | | | | |
| Isopropylbenzene | ND | 0.0050 | " | | | | | | | | | | |
| Methyl acetate | ND | 0.0050 | " | | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.0050 | " | | | | | | | | | | |
| Methylcyclohexane | ND | 0.0050 | " | | | | | | | | | | |
| Methylene chloride | ND | 0.010 | " | | | | | | | | | | |
| n-Butylbenzene | ND | 0.0050 | " | | | | | | | | | | |
| n-Propylbenzene | ND | 0.0050 | " | | | | | | | | | | |
| o-Xylene | ND | 0.0050 | " | | | | | | | | | | |
| p- & m- Xylenes | ND | 0.010 | " | | | | | | | | | | |
| p-Isopropyltoluene | ND | 0.0050 | " | | | | | | | | | | |
| sec-Butylbenzene | ND | 0.0050 | " | | | | | | | | | | |
| Styrene | ND | 0.0050 | " | | | | | | | | | | |
| tert-Butyl alcohol (TBA) | ND | 0.0050 | " | | | | | | | | | | |
| tert-Butylbenzene | ND | 0.0050 | " | | | | | | | | | | |
| Tetrachloroethylene | ND | 0.0050 | " | | | | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.0050 | " | | | | | | | | | | |
| trans-1,3-Dichloropropylene | ND | 0.0050 | " | | | | | | | | | | |
| Trichloroethylene | ND | 0.0050 | " | | | | | | | | | | |
| Trichlorofluoromethane | ND | 0.0050 | " | | | | | | | | | | |
| Vinyl acetate | ND | 0.0050 | " | | | | | | | | | | |
| Vinyl Chloride | ND | 0.0050 | " | | | | | | | | | | |
| Xylenes, Total | ND | 0.015 | " | | | | | | | | | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | <i>56.1</i> | | <i>ug/L</i> | <i>50.0</i> | | <i>112</i> | <i>77-125</i> | | | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | <i>51.6</i> | | <i>"</i> | <i>50.0</i> | | <i>103</i> | <i>85-120</i> | | | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | <i>52.9</i> | | <i>"</i> | <i>50.0</i> | | <i>106</i> | <i>76-130</i> | | | | | | |



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC91296 - EPA 5035A

LCS (BC91296-BS1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|--|-----------|--|--|
| 1,1,1,2-Tetrachloroethane | 58.1 | | ug/L | 50.0 | | 116 | 75-129 | | | | |
| 1,1,1-Trichloroethane | 62.9 | | " | 50.0 | | 126 | 71-137 | | | | |
| 1,1,2,2-Tetrachloroethane | 60.9 | | " | 50.0 | | 122 | 79-129 | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 72.0 | | " | 50.0 | | 144 | 58-146 | | | | |
| 1,1,2-Trichloroethane | 57.6 | | " | 50.0 | | 115 | 83-123 | | | | |
| 1,1-Dichloroethane | 55.4 | | " | 50.0 | | 111 | 75-130 | | | | |
| 1,1-Dichloroethylene | 60.2 | | " | 50.0 | | 120 | 64-137 | | | | |
| 1,1-Dichloropropylene | 55.4 | | " | 50.0 | | 111 | 77-127 | | | | |
| 1,2,3-Trichlorobenzene | 54.7 | | " | 50.0 | | 109 | 81-140 | | | | |
| 1,2,3-Trichloropropane | 63.7 | | " | 50.0 | | 127 | 81-126 | | High Bias | | |
| 1,2,4-Trichlorobenzene | 54.8 | | " | 50.0 | | 110 | 80-141 | | | | |
| 1,2,4-Trimethylbenzene | 56.9 | | " | 50.0 | | 114 | 84-125 | | | | |
| 1,2-Dibromo-3-chloropropane | 65.1 | | " | 50.0 | | 130 | 74-142 | | | | |
| 1,2-Dibromoethane | 60.1 | | " | 50.0 | | 120 | 86-123 | | | | |
| 1,2-Dichlorobenzene | 56.1 | | " | 50.0 | | 112 | 85-122 | | | | |
| 1,2-Dichloroethane | 62.1 | | " | 50.0 | | 124 | 71-133 | | | | |
| 1,2-Dichloropropane | 57.4 | | " | 50.0 | | 115 | 81-122 | | | | |
| 1,3,5-Trimethylbenzene | 66.6 | | " | 50.0 | | 133 | 82-126 | | High Bias | | |
| 1,3-Dichlorobenzene | 54.9 | | " | 50.0 | | 110 | 84-124 | | | | |
| 1,3-Dichloropropane | 58.6 | | " | 50.0 | | 117 | 83-123 | | | | |
| 1,4-Dichlorobenzene | 54.2 | | " | 50.0 | | 108 | 84-124 | | | | |
| 1,4-Dioxane | 280 | | " | 1050 | | 26.7 | 10-228 | | | | |
| 2,2-Dichloropropane | 58.2 | | " | 50.0 | | 116 | 67-136 | | | | |
| 2-Butanone | 52.6 | | " | 50.0 | | 105 | 58-147 | | | | |
| 2-Chlorotoluene | 58.8 | | " | 50.0 | | 118 | 78-127 | | | | |
| 2-Hexanone | 61.7 | | " | 50.0 | | 123 | 70-139 | | | | |
| 4-Chlorotoluene | 57.1 | | " | 50.0 | | 114 | 79-125 | | | | |
| 4-Methyl-2-pentanone | 62.7 | | " | 50.0 | | 125 | 72-132 | | | | |
| Acetone | 43.8 | | " | 50.0 | | 87.6 | 36-155 | | | | |
| Acrolein | 86.0 | | " | 50.0 | | 172 | 10-238 | | | | |
| Acrylonitrile | 61.3 | | " | 50.0 | | 123 | 66-141 | | | | |
| Benzene | 55.1 | | " | 50.0 | | 110 | 77-127 | | | | |
| Bromobenzene | 58.7 | | " | 50.0 | | 117 | 77-129 | | | | |
| Bromochloromethane | 58.2 | | " | 50.0 | | 116 | 74-129 | | | | |
| Bromodichloromethane | 62.0 | | " | 50.0 | | 124 | 81-124 | | | | |
| Bromoform | 56.5 | | " | 50.0 | | 113 | 80-136 | | | | |
| Bromomethane | 52.9 | | " | 50.0 | | 106 | 32-177 | | | | |
| Carbon disulfide | 51.0 | | " | 50.0 | | 102 | 10-136 | | | | |
| Carbon tetrachloride | 59.0 | | " | 50.0 | | 118 | 66-143 | | | | |
| Chlorobenzene | 55.5 | | " | 50.0 | | 111 | 86-120 | | | | |
| Chloroethane | 56.3 | | " | 50.0 | | 113 | 51-142 | | | | |
| Chloroform | 59.3 | | " | 50.0 | | 119 | 76-131 | | | | |
| Chloromethane | 41.1 | | " | 50.0 | | 82.2 | 49-132 | | | | |
| cis-1,2-Dichloroethylene | 55.0 | | " | 50.0 | | 110 | 74-132 | | | | |
| cis-1,3-Dichloropropylene | 58.5 | | " | 50.0 | | 117 | 81-129 | | | | |
| Cyclohexane | 55.6 | | " | 50.0 | | 111 | 70-130 | | | | |
| Dibromochloromethane | 60.0 | | " | 50.0 | | 120 | 10-200 | | | | |
| Dibromomethane | 60.3 | | " | 50.0 | | 121 | 83-124 | | | | |
| Dichlorodifluoromethane | 27.4 | | " | 50.0 | | 54.8 | 28-158 | | | | |
| Ethyl Benzene | 58.8 | | " | 50.0 | | 118 | 84-125 | | | | |
| Hexachlorobutadiene | 56.6 | | " | 50.0 | | 113 | 83-133 | | | | |



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

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

Batch BC91296 - EPA 5035A

LCS (BC91296-BS1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|--|--|--|--|
| Isopropylbenzene | 57.0 | | ug/L | 50.0 | | 114 | 81-127 | | | | |
| Methyl acetate | 54.4 | | " | 50.0 | | 109 | 41-143 | | | | |
| Methyl tert-butyl ether (MTBE) | 57.2 | | " | 50.0 | | 114 | 74-131 | | | | |
| Methylcyclohexane | 57.1 | | " | 50.0 | | 114 | 70-130 | | | | |
| Methylene chloride | 59.6 | | " | 50.0 | | 119 | 57-141 | | | | |
| n-Butylbenzene | 58.2 | | " | 50.0 | | 116 | 80-130 | | | | |
| n-Propylbenzene | 57.4 | | " | 50.0 | | 115 | 74-136 | | | | |
| o-Xylene | 57.8 | | " | 50.0 | | 116 | 83-123 | | | | |
| p- & m- Xylenes | 117 | | " | 100 | | 117 | 82-128 | | | | |
| p-Isopropyltoluene | 57.8 | | " | 50.0 | | 116 | 85-125 | | | | |
| sec-Butylbenzene | 59.5 | | " | 50.0 | | 119 | 83-125 | | | | |
| Styrene | 56.8 | | " | 50.0 | | 114 | 86-126 | | | | |
| tert-Butyl alcohol (TBA) | 307 | | " | 250 | | 123 | 70-130 | | | | |
| tert-Butylbenzene | 55.6 | | " | 50.0 | | 111 | 80-127 | | | | |
| Tetrachloroethylene | 52.5 | | " | 50.0 | | 105 | 80-129 | | | | |
| Toluene | 55.0 | | " | 50.0 | | 110 | 85-121 | | | | |
| trans-1,2-Dichloroethylene | 55.1 | | " | 50.0 | | 110 | 72-132 | | | | |
| trans-1,3-Dichloropropylene | 59.0 | | " | 50.0 | | 118 | 78-132 | | | | |
| Trichloroethylene | 59.2 | | " | 50.0 | | 118 | 84-123 | | | | |
| Trichlorofluoromethane | 56.5 | | " | 50.0 | | 113 | 62-140 | | | | |
| Vinyl acetate | 65.6 | | " | 50.0 | | 131 | 67-136 | | | | |
| Vinyl Chloride | 45.9 | | " | 50.0 | | 91.7 | 52-130 | | | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | 55.5 | | " | 50.0 | | 111 | 77-125 | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | 52.1 | | " | 50.0 | | 104 | 85-120 | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | 50.1 | | " | 50.0 | | 100 | 76-130 | | | | |

LCS Dup (BC91296-BS1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|-----------|--------|----|--|
| 1,1,1,2-Tetrachloroethane | 55.4 | | ug/L | 50.0 | | 111 | 75-129 | | 4.70 | 30 | |
| 1,1,1-Trichloroethane | 59.0 | | " | 50.0 | | 118 | 71-137 | | 6.41 | 30 | |
| 1,1,2,2-Tetrachloroethane | 58.5 | | " | 50.0 | | 117 | 79-129 | | 4.03 | 30 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 54.6 | | " | 50.0 | | 109 | 58-146 | | 27.5 | 30 | |
| 1,1,2-Trichloroethane | 54.8 | | " | 50.0 | | 110 | 83-123 | | 4.99 | 30 | |
| 1,1-Dichloroethane | 53.9 | | " | 50.0 | | 108 | 75-130 | | 2.76 | 30 | |
| 1,1-Dichloroethylene | 51.9 | | " | 50.0 | | 104 | 64-137 | | 14.9 | 30 | |
| 1,1-Dichloropropylene | 53.2 | | " | 50.0 | | 106 | 77-127 | | 4.07 | 30 | |
| 1,2,3-Trichlorobenzene | 53.7 | | " | 50.0 | | 107 | 81-140 | | 1.85 | 30 | |
| 1,2,3-Trichloropropane | 60.4 | | " | 50.0 | | 121 | 81-126 | | 5.37 | 30 | |
| 1,2,4-Trichlorobenzene | 54.8 | | " | 50.0 | | 110 | 80-141 | | 0.0183 | 30 | |
| 1,2,4-Trimethylbenzene | 55.8 | | " | 50.0 | | 112 | 84-125 | | 1.93 | 30 | |
| 1,2-Dibromo-3-chloropropane | 62.7 | | " | 50.0 | | 125 | 74-142 | | 3.82 | 30 | |
| 1,2-Dibromoethane | 56.2 | | " | 50.0 | | 112 | 86-123 | | 6.71 | 30 | |
| 1,2-Dichlorobenzene | 55.0 | | " | 50.0 | | 110 | 85-122 | | 2.02 | 30 | |
| 1,2-Dichloroethane | 59.3 | | " | 50.0 | | 119 | 71-133 | | 4.58 | 30 | |
| 1,2-Dichloropropane | 55.1 | | " | 50.0 | | 110 | 81-122 | | 4.02 | 30 | |
| 1,3,5-Trimethylbenzene | 65.0 | | " | 50.0 | | 130 | 82-126 | High Bias | 2.37 | 30 | |
| 1,3-Dichlorobenzene | 54.1 | | " | 50.0 | | 108 | 84-124 | | 1.34 | 30 | |
| 1,3-Dichloropropane | 56.2 | | " | 50.0 | | 112 | 83-123 | | 4.08 | 30 | |
| 1,4-Dichlorobenzene | 53.4 | | " | 50.0 | | 107 | 84-124 | | 1.45 | 30 | |
| 1,4-Dioxane | 264 | | " | 1050 | | 25.1 | 10-228 | | 6.01 | 30 | |
| 2,2-Dichloropropane | 54.7 | | " | 50.0 | | 109 | 67-136 | | 6.09 | 30 | |
| 2-Butanone | 51.1 | | " | 50.0 | | 102 | 58-147 | | 2.85 | 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 BC91296 - EPA 5035A | | | | | | | | | | | |
| LCS Dup (BC91296-BSD1) | | | | | | | | | | | |
| | | | | | | | | | | Prepared & Analyzed: 03/27/2019 | |
| 2-Chlorotoluene | 57.1 | | ug/L | 50.0 | | 114 | 78-127 | | 2.98 | 30 | |
| 2-Hexanone | 58.1 | | " | 50.0 | | 116 | 70-139 | | 5.99 | 30 | |
| 4-Chlorotoluene | 55.8 | | " | 50.0 | | 112 | 79-125 | | 2.25 | 30 | |
| 4-Methyl-2-pentanone | 59.3 | | " | 50.0 | | 119 | 72-132 | | 5.59 | 30 | |
| Acetone | 40.6 | | " | 50.0 | | 81.2 | 36-155 | | 7.56 | 30 | |
| Acrolein | 66.9 | | " | 50.0 | | 134 | 10-238 | | 25.0 | 30 | |
| Acrylonitrile | 57.8 | | " | 50.0 | | 116 | 66-141 | | 5.78 | 30 | |
| Benzene | 52.8 | | " | 50.0 | | 106 | 77-127 | | 4.25 | 30 | |
| Bromobenzene | 56.8 | | " | 50.0 | | 114 | 77-129 | | 3.29 | 30 | |
| Bromochloromethane | 56.1 | | " | 50.0 | | 112 | 74-129 | | 3.52 | 30 | |
| Bromodichloromethane | 58.9 | | " | 50.0 | | 118 | 81-124 | | 5.09 | 30 | |
| Bromoform | 55.1 | | " | 50.0 | | 110 | 80-136 | | 2.56 | 30 | |
| Bromomethane | 48.3 | | " | 50.0 | | 96.7 | 32-177 | | 9.09 | 30 | |
| Carbon disulfide | 49.0 | | " | 50.0 | | 98.0 | 10-136 | | 3.90 | 30 | |
| Carbon tetrachloride | 56.1 | | " | 50.0 | | 112 | 66-143 | | 4.95 | 30 | |
| Chlorobenzene | 53.7 | | " | 50.0 | | 107 | 86-120 | | 3.26 | 30 | |
| Chloroethane | 53.3 | | " | 50.0 | | 107 | 51-142 | | 5.42 | 30 | |
| Chloroform | 56.8 | | " | 50.0 | | 114 | 76-131 | | 4.29 | 30 | |
| Chloromethane | 40.4 | | " | 50.0 | | 80.8 | 49-132 | | 1.69 | 30 | |
| cis-1,2-Dichloroethylene | 52.4 | | " | 50.0 | | 105 | 74-132 | | 4.90 | 30 | |
| cis-1,3-Dichloropropylene | 55.3 | | " | 50.0 | | 111 | 81-129 | | 5.66 | 30 | |
| Cyclohexane | 53.0 | | " | 50.0 | | 106 | 70-130 | | 4.90 | 30 | |
| Dibromochloromethane | 56.9 | | " | 50.0 | | 114 | 10-200 | | 5.24 | 30 | |
| Dibromomethane | 57.1 | | " | 50.0 | | 114 | 83-124 | | 5.47 | 30 | |
| Dichlorodifluoromethane | 27.2 | | " | 50.0 | | 54.3 | 28-158 | | 0.990 | 30 | |
| Ethyl Benzene | 56.2 | | " | 50.0 | | 112 | 84-125 | | 4.54 | 30 | |
| Hexachlorobutadiene | 56.8 | | " | 50.0 | | 114 | 83-133 | | 0.282 | 30 | |
| Isopropylbenzene | 55.2 | | " | 50.0 | | 110 | 81-127 | | 3.24 | 30 | |
| Methyl acetate | 52.7 | | " | 50.0 | | 105 | 41-143 | | 3.14 | 30 | |
| Methyl tert-butyl ether (MTBE) | 54.5 | | " | 50.0 | | 109 | 74-131 | | 4.67 | 30 | |
| Methylcyclohexane | 53.5 | | " | 50.0 | | 107 | 70-130 | | 6.56 | 30 | |
| Methylene chloride | 58.0 | | " | 50.0 | | 116 | 57-141 | | 2.64 | 30 | |
| n-Butylbenzene | 57.8 | | " | 50.0 | | 116 | 80-130 | | 0.621 | 30 | |
| n-Propylbenzene | 55.9 | | " | 50.0 | | 112 | 74-136 | | 2.72 | 30 | |
| o-Xylene | 55.9 | | " | 50.0 | | 112 | 83-123 | | 3.36 | 30 | |
| p- & m- Xylenes | 112 | | " | 100 | | 112 | 82-128 | | 4.23 | 30 | |
| p-Isopropyltoluene | 57.2 | | " | 50.0 | | 114 | 85-125 | | 0.956 | 30 | |
| sec-Butylbenzene | 57.8 | | " | 50.0 | | 116 | 83-125 | | 3.00 | 30 | |
| Styrene | 54.5 | | " | 50.0 | | 109 | 86-126 | | 4.12 | 30 | |
| tert-Butyl alcohol (TBA) | 292 | | " | 250 | | 117 | 70-130 | | 4.72 | 30 | |
| tert-Butylbenzene | 55.1 | | " | 50.0 | | 110 | 80-127 | | 0.885 | 30 | |
| Tetrachloroethylene | 50.7 | | " | 50.0 | | 101 | 80-129 | | 3.47 | 30 | |
| Toluene | 53.1 | | " | 50.0 | | 106 | 85-121 | | 3.57 | 30 | |
| trans-1,2-Dichloroethylene | 52.9 | | " | 50.0 | | 106 | 72-132 | | 4.09 | 30 | |
| trans-1,3-Dichloropropylene | 55.7 | | " | 50.0 | | 111 | 78-132 | | 5.69 | 30 | |
| Trichloroethylene | 56.5 | | " | 50.0 | | 113 | 84-123 | | 4.56 | 30 | |
| Trichlorofluoromethane | 53.3 | | " | 50.0 | | 107 | 62-140 | | 5.70 | 30 | |
| Vinyl acetate | 61.5 | | " | 50.0 | | 123 | 67-136 | | 6.44 | 30 | |
| Vinyl Chloride | 44.5 | | " | 50.0 | | 88.9 | 52-130 | | 3.08 | 30 | |
| Surrogate: Surr: 1,2-Dichloroethane-d4 | 54.0 | | " | 50.0 | | 108 | 77-125 | | | | |
| Surrogate: Surr: Toluene-d8 | 51.8 | | " | 50.0 | | 104 | 85-120 | | | | |



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

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

Batch BC91296 - EPA 5035A

LCS Dup (BC91296-BSD1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | | | |
|---------------------------------------|------|--|------|------|--|-----|--------|--|--|--|--|--|--|
| Surrogate: SURR: p-Bromofluorobenzene | 50.1 | | ug/L | 50.0 | | 100 | 76-130 | | | | | | |
|---------------------------------------|------|--|------|------|--|-----|--------|--|--|--|--|--|--|

Batch BC91404 - EPA 5030B/1311

Blank (BC91404-BLK1)

Prepared: 03/27/2019 Analyzed: 03/28/2019

| | | | | | | | | | | | | | |
|----------------------|----|--------|------|--|--|--|--|--|--|--|--|--|--|
| 1,1-Dichloroethylene | ND | 0.0050 | mg/L | | | | | | | | | | |
| 1,2-Dichloroethane | ND | 0.0050 | " | | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.0050 | " | | | | | | | | | | |
| 2-Butanone | ND | 0.0050 | " | | | | | | | | | | |
| Benzene | ND | 0.0050 | " | | | | | | | | | | |
| Carbon tetrachloride | ND | 0.0050 | " | | | | | | | | | | |
| Chlorobenzene | ND | 0.0050 | " | | | | | | | | | | |
| Chloroform | ND | 0.0050 | " | | | | | | | | | | |
| Tetrachloroethylene | ND | 0.0050 | " | | | | | | | | | | |
| Trichloroethylene | ND | 0.0050 | " | | | | | | | | | | |
| Vinyl Chloride | ND | 0.0050 | " | | | | | | | | | | |

| | | | | | | | | | | | | | |
|--|------|--|------|------|--|------|--------|--|--|--|--|--|--|
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 52.4 | | ug/L | 50.0 | | 105 | 65-135 | | | | | | |
| Surrogate: SURR: Toluene-d8 | 49.3 | | " | 50.0 | | 98.7 | 86-118 | | | | | | |
| Surrogate: SURR: p-Bromofluorobenzene | 50.6 | | " | 50.0 | | 101 | 81-114 | | | | | | |

LCS (BC91404-BS1)

Prepared: 03/27/2019 Analyzed: 03/28/2019

| | | | | | | | | | | | | | |
|----------------------|------|--|------|------|--|------|--------|--|--|--|--|--|--|
| 1,1-Dichloroethylene | 46.3 | | ug/L | 50.0 | | 92.7 | 68-134 | | | | | | |
| 1,2-Dichloroethane | 53.6 | | " | 50.0 | | 107 | 69-133 | | | | | | |
| 1,4-Dichlorobenzene | 47.2 | | " | 50.0 | | 94.4 | 82-124 | | | | | | |
| 2-Butanone | 50.9 | | " | 50.0 | | 102 | 44-169 | | | | | | |
| Benzene | 49.6 | | " | 50.0 | | 99.1 | 72-134 | | | | | | |
| Carbon tetrachloride | 51.1 | | " | 50.0 | | 102 | 62-145 | | | | | | |
| Chlorobenzene | 48.9 | | " | 50.0 | | 97.9 | 85-119 | | | | | | |
| Chloroform | 49.8 | | " | 50.0 | | 99.6 | 74-131 | | | | | | |
| Tetrachloroethylene | 42.9 | | " | 50.0 | | 85.8 | 78-133 | | | | | | |
| Trichloroethylene | 50.5 | | " | 50.0 | | 101 | 81-125 | | | | | | |
| Vinyl Chloride | 42.4 | | " | 50.0 | | 84.8 | 42-136 | | | | | | |

| | | | | | | | | | | | | | |
|--|------|--|---|------|--|------|--------|--|--|--|--|--|--|
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 52.4 | | " | 50.0 | | 105 | 65-135 | | | | | | |
| Surrogate: SURR: Toluene-d8 | 49.8 | | " | 50.0 | | 99.6 | 86-118 | | | | | | |
| Surrogate: SURR: p-Bromofluorobenzene | 51.2 | | " | 50.0 | | 102 | 81-114 | | | | | | |



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 BC91404 - EPA 5030B/1311

LCS Dup (BC91404-BSD1)

Prepared: 03/27/2019 Analyzed: 03/28/2019

| | | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|--|--|-------|----|--|
| 1,1-Dichloroethylene | 46.6 | | ug/L | 50.0 | | 93.2 | 68-134 | | | 0.559 | 30 | |
| 1,2-Dichloroethane | 53.4 | | " | 50.0 | | 107 | 69-133 | | | 0.280 | 30 | |
| 1,4-Dichlorobenzene | 47.4 | | " | 50.0 | | 94.9 | 82-124 | | | 0.528 | 30 | |
| 2-Butanone | 51.2 | | " | 50.0 | | 102 | 44-169 | | | 0.646 | 30 | |
| Benzene | 49.4 | | " | 50.0 | | 98.9 | 72-134 | | | 0.263 | 30 | |
| Carbon tetrachloride | 51.4 | | " | 50.0 | | 103 | 62-145 | | | 0.527 | 30 | |
| Chlorobenzene | 48.4 | | " | 50.0 | | 96.9 | 85-119 | | | 1.01 | 30 | |
| Chloroform | 51.0 | | " | 50.0 | | 102 | 74-131 | | | 2.34 | 30 | |
| Tetrachloroethylene | 42.3 | | " | 50.0 | | 84.6 | 78-133 | | | 1.41 | 30 | |
| Trichloroethylene | 48.6 | | " | 50.0 | | 97.2 | 81-125 | | | 3.78 | 30 | |
| Vinyl Chloride | 43.0 | | " | 50.0 | | 86.1 | 42-136 | | | 1.52 | 30 | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | 52.7 | | " | 50.0 | | 105 | 65-135 | | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | 48.0 | | " | 50.0 | | 96.0 | 86-118 | | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | 50.7 | | " | 50.0 | | 101 | 81-114 | | | | | |

Batch BC91460 - EPA 5030B/1311

Blank (BC91460-BLK1)

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | | | |
|---|------|--------|------|------|--|------|--------|--|--|--|--|--|
| 1,1-Dichloroethylene | ND | 0.0050 | mg/L | | | | | | | | | |
| 1,2-Dichloroethane | ND | 0.0050 | " | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.0050 | " | | | | | | | | | |
| 2-Butanone | ND | 0.0050 | " | | | | | | | | | |
| Benzene | ND | 0.0050 | " | | | | | | | | | |
| Carbon tetrachloride | ND | 0.0050 | " | | | | | | | | | |
| Chlorobenzene | ND | 0.0050 | " | | | | | | | | | |
| Chloroform | ND | 0.0050 | " | | | | | | | | | |
| Tetrachloroethylene | ND | 0.0050 | " | | | | | | | | | |
| Trichloroethylene | ND | 0.0050 | " | | | | | | | | | |
| Vinyl Chloride | ND | 0.0050 | " | | | | | | | | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | 54.7 | | ug/L | 50.0 | | 109 | 65-135 | | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | 48.4 | | " | 50.0 | | 96.8 | 86-118 | | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | 50.3 | | " | 50.0 | | 101 | 81-114 | | | | | |



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 BC91460 - EPA 5030B/1311

LCS (BC91460-BS1)

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | | | | |
|---|-------------|--|----------|-------------|--|-------------|---------------|--|--|--|--|--|--|
| 1,1-Dichloroethylene | 49.5 | | ug/L | 50.0 | | 99.0 | 68-134 | | | | | | |
| 1,2-Dichloroethane | 55.3 | | " | 50.0 | | 111 | 69-133 | | | | | | |
| 1,4-Dichlorobenzene | 49.3 | | " | 50.0 | | 98.5 | 82-124 | | | | | | |
| 2-Butanone | 54.0 | | " | 50.0 | | 108 | 44-169 | | | | | | |
| Benzene | 49.7 | | " | 50.0 | | 99.4 | 72-134 | | | | | | |
| Carbon tetrachloride | 53.5 | | " | 50.0 | | 107 | 62-145 | | | | | | |
| Chlorobenzene | 48.8 | | " | 50.0 | | 97.6 | 85-119 | | | | | | |
| Chloroform | 51.4 | | " | 50.0 | | 103 | 74-131 | | | | | | |
| Tetrachloroethylene | 42.8 | | " | 50.0 | | 85.7 | 78-133 | | | | | | |
| Trichloroethylene | 48.0 | | " | 50.0 | | 95.9 | 81-125 | | | | | | |
| Vinyl Chloride | 52.5 | | " | 50.0 | | 105 | 42-136 | | | | | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | <i>53.9</i> | | <i>"</i> | <i>50.0</i> | | <i>108</i> | <i>65-135</i> | | | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | <i>47.5</i> | | <i>"</i> | <i>50.0</i> | | <i>95.0</i> | <i>86-118</i> | | | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | <i>49.8</i> | | <i>"</i> | <i>50.0</i> | | <i>99.5</i> | <i>81-114</i> | | | | | | |

LCS Dup (BC91460-BSD1)

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | | | | |
|---|-------------|--|----------|-------------|--|-------------|---------------|--|-------|----|--|--|--|
| 1,1-Dichloroethylene | 50.6 | | ug/L | 50.0 | | 101 | 68-134 | | 2.26 | 30 | | | |
| 1,2-Dichloroethane | 56.0 | | " | 50.0 | | 112 | 69-133 | | 1.31 | 30 | | | |
| 1,4-Dichlorobenzene | 49.8 | | " | 50.0 | | 99.6 | 82-124 | | 1.09 | 30 | | | |
| 2-Butanone | 51.2 | | " | 50.0 | | 102 | 44-169 | | 5.42 | 30 | | | |
| Benzene | 50.4 | | " | 50.0 | | 101 | 72-134 | | 1.48 | 30 | | | |
| Carbon tetrachloride | 54.5 | | " | 50.0 | | 109 | 62-145 | | 1.91 | 30 | | | |
| Chlorobenzene | 50.1 | | " | 50.0 | | 100 | 85-119 | | 2.63 | 30 | | | |
| Chloroform | 52.2 | | " | 50.0 | | 104 | 74-131 | | 1.60 | 30 | | | |
| Tetrachloroethylene | 44.5 | | " | 50.0 | | 88.9 | 78-133 | | 3.69 | 30 | | | |
| Trichloroethylene | 49.6 | | " | 50.0 | | 99.3 | 81-125 | | 3.46 | 30 | | | |
| Vinyl Chloride | 52.2 | | " | 50.0 | | 104 | 42-136 | | 0.554 | 30 | | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | <i>54.8</i> | | <i>"</i> | <i>50.0</i> | | <i>110</i> | <i>65-135</i> | | | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | <i>49.2</i> | | <i>"</i> | <i>50.0</i> | | <i>98.5</i> | <i>86-118</i> | | | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | <i>51.3</i> | | <i>"</i> | <i>50.0</i> | | <i>103</i> | <i>81-114</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 BC91460 - EPA 5030B/1311

Duplicate (BC91460-DUP1)

*Source sample: 19C1054-06 (WC-3B (6-12))

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | | |
|----------------------|----|-------|------|--|----|--|--|--|--|-----|--|
| 1,1-Dichloroethylene | ND | 0.050 | mg/L | | ND | | | | | 200 | |
| 1,2-Dichloroethane | ND | 0.050 | " | | ND | | | | | 200 | |
| 1,4-Dichlorobenzene | ND | 0.050 | " | | ND | | | | | 200 | |
| 2-Butanone | ND | 0.050 | " | | ND | | | | | 200 | |
| Benzene | ND | 0.050 | " | | ND | | | | | 200 | |
| Carbon tetrachloride | ND | 0.050 | " | | ND | | | | | 200 | |
| Chlorobenzene | ND | 0.050 | " | | ND | | | | | 200 | |
| Chloroform | ND | 0.050 | " | | ND | | | | | 200 | |
| Tetrachloroethylene | ND | 0.050 | " | | ND | | | | | 200 | |
| Trichloroethylene | ND | 0.050 | " | | ND | | | | | 200 | |
| Vinyl Chloride | ND | 0.050 | " | | ND | | | | | 200 | |

Surrogate: SURR: 1,2-Dichloroethane-d4

56.2

ug/L

50.0

112

65-135

Surrogate: SURR: Toluene-d8

48.7

"

50.0

97.4

86-118

Surrogate: SURR: p-Bromofluorobenzene

51.7

"

50.0

103

81-114

Leach Fluid Blank (BC91460-LBK1)

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | | |
|----------------------|----|-------|------|--|--|--|--|--|--|--|--|
| 1,1-Dichloroethylene | ND | 0.050 | mg/L | | | | | | | | |
| 1,2-Dichloroethane | ND | 0.050 | " | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.050 | " | | | | | | | | |
| 2-Butanone | ND | 0.050 | " | | | | | | | | |
| Benzene | ND | 0.050 | " | | | | | | | | |
| Carbon tetrachloride | ND | 0.050 | " | | | | | | | | |
| Chlorobenzene | ND | 0.050 | " | | | | | | | | |
| Chloroform | ND | 0.050 | " | | | | | | | | |
| Tetrachloroethylene | ND | 0.050 | " | | | | | | | | |
| Trichloroethylene | ND | 0.050 | " | | | | | | | | |
| Vinyl Chloride | ND | 0.050 | " | | | | | | | | |

Surrogate: SURR: 1,2-Dichloroethane-d4

55.5

ug/L

50.0

111

65-135

Surrogate: SURR: Toluene-d8

48.2

"

50.0

96.5

86-118

Surrogate: SURR: p-Bromofluorobenzene

51.7

"

50.0

103

81-114



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 BC91555 - EPA 5035A

Blank (BC91555-BLK1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|---|----|--------|-----------|--|--|--|--|--|--|--|--|
| 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 |
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|

Batch BC91555 - EPA 5035A

Blank (BC91555-BLK1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|------|--------|-----------|------|--|------|--------|--|--|--|--|
| Isopropylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | | |
| Methyl acetate | ND | 0.0050 | " | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.0050 | " | | | | | | | | |
| Methylcyclohexane | ND | 0.0050 | " | | | | | | | | |
| Methylene chloride | ND | 0.010 | " | | | | | | | | |
| n-Butylbenzene | ND | 0.0050 | " | | | | | | | | |
| n-Propylbenzene | ND | 0.0050 | " | | | | | | | | |
| o-Xylene | ND | 0.0050 | " | | | | | | | | |
| p- & m- Xylenes | ND | 0.010 | " | | | | | | | | |
| p-Isopropyltoluene | ND | 0.0050 | " | | | | | | | | |
| sec-Butylbenzene | ND | 0.0050 | " | | | | | | | | |
| Styrene | ND | 0.0050 | " | | | | | | | | |
| tert-Butyl alcohol (TBA) | ND | 0.0050 | " | | | | | | | | |
| tert-Butylbenzene | ND | 0.0050 | " | | | | | | | | |
| Tetrachloroethylene | ND | 0.0050 | " | | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.0050 | " | | | | | | | | |
| trans-1,3-Dichloropropylene | ND | 0.0050 | " | | | | | | | | |
| Trichloroethylene | ND | 0.0050 | " | | | | | | | | |
| Trichlorofluoromethane | ND | 0.0050 | " | | | | | | | | |
| Vinyl acetate | ND | 0.0050 | " | | | | | | | | |
| Vinyl Chloride | ND | 0.0050 | " | | | | | | | | |
| Xylenes, Total | ND | 0.015 | " | | | | | | | | |
| <i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i> | 48.0 | | ug/L | 50.0 | | 96.1 | 77-125 | | | | |
| <i>Surrogate: SURRE: Toluene-d8</i> | 48.2 | | " | 50.0 | | 96.4 | 85-120 | | | | |
| <i>Surrogate: SURRE: p-Bromofluorobenzene</i> | 49.6 | | " | 50.0 | | 99.1 | 76-130 | | | | |

LCS (BC91555-BS1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|----------|--|--|--|
| 1,1,1,2-Tetrachloroethane | 42.7 | | ug/L | 50.0 | | 85.5 | 75-129 | | | | |
| 1,1,1-Trichloroethane | 45.3 | | " | 50.0 | | 90.5 | 71-137 | | | | |
| 1,1,2,2-Tetrachloroethane | 50.8 | | " | 50.0 | | 102 | 79-129 | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 42.4 | | " | 50.0 | | 84.7 | 58-146 | | | | |
| 1,1,2-Trichloroethane | 47.4 | | " | 50.0 | | 94.9 | 83-123 | | | | |
| 1,1-Dichloroethane | 43.6 | | " | 50.0 | | 87.3 | 75-130 | | | | |
| 1,1-Dichloroethylene | 40.0 | | " | 50.0 | | 80.1 | 64-137 | | | | |
| 1,1-Dichloropropylene | 41.7 | | " | 50.0 | | 83.4 | 77-127 | | | | |
| 1,2,3-Trichlorobenzene | 44.2 | | " | 50.0 | | 88.3 | 81-140 | | | | |
| 1,2,3-Trichloropropane | 47.7 | | " | 50.0 | | 95.3 | 81-126 | | | | |
| 1,2,4-Trichlorobenzene | 44.0 | | " | 50.0 | | 87.9 | 80-141 | | | | |
| 1,2,4-Trimethylbenzene | 40.3 | | " | 50.0 | | 80.6 | 84-125 | Low Bias | | | |
| 1,2-Dibromo-3-chloropropane | 46.4 | | " | 50.0 | | 92.7 | 74-142 | | | | |
| 1,2-Dibromoethane | 47.5 | | " | 50.0 | | 95.1 | 86-123 | | | | |
| 1,2-Dichlorobenzene | 44.2 | | " | 50.0 | | 88.4 | 85-122 | | | | |
| 1,2-Dichloroethane | 47.8 | | " | 50.0 | | 95.5 | 71-133 | | | | |
| 1,2-Dichloropropane | 40.9 | | " | 50.0 | | 81.8 | 81-122 | | | | |
| 1,3,5-Trimethylbenzene | 48.0 | | " | 50.0 | | 96.1 | 82-126 | | | | |
| 1,3-Dichlorobenzene | 42.2 | | " | 50.0 | | 84.5 | 84-124 | | | | |
| 1,3-Dichloropropane | 46.4 | | " | 50.0 | | 92.7 | 83-123 | | | | |
| 1,4-Dichlorobenzene | 41.9 | | " | 50.0 | | 83.8 | 84-124 | Low Bias | | | |
| 1,4-Dioxane | 234 | | " | 1050 | | 22.3 | 10-228 | | | | |
| 2,2-Dichloropropane | 41.8 | | " | 50.0 | | 83.6 | 67-136 | | | | |



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|--|--------|-----------------|-------|-------------|----------------|------|-------------|----------|-----|-----------|------|
| Batch BC91555 - EPA 5035A | | | | | | | | | | | |
| LCS (BC91555-BS1) | | | | | | | | | | | |
| Prepared & Analyzed: 04/01/2019 | | | | | | | | | | | |
| 2-Butanone | 50.6 | | ug/L | 50.0 | | 101 | 58-147 | | | | |
| 2-Chlorotoluene | 41.6 | | " | 50.0 | | 83.2 | 78-127 | | | | |
| 2-Hexanone | 47.7 | | " | 50.0 | | 95.5 | 70-139 | | | | |
| 4-Chlorotoluene | 41.2 | | " | 50.0 | | 82.3 | 79-125 | | | | |
| 4-Methyl-2-pentanone | 47.3 | | " | 50.0 | | 94.6 | 72-132 | | | | |
| Acetone | 42.4 | | " | 50.0 | | 84.9 | 36-155 | | | | |
| Acrolein | 63.2 | | " | 50.0 | | 126 | 10-238 | | | | |
| Acrylonitrile | 50.8 | | " | 50.0 | | 102 | 66-141 | | | | |
| Benzene | 44.6 | | " | 50.0 | | 89.2 | 77-127 | | | | |
| Bromobenzene | 42.9 | | " | 50.0 | | 85.8 | 77-129 | | | | |
| Bromochloromethane | 47.6 | | " | 50.0 | | 95.2 | 74-129 | | | | |
| Bromodichloromethane | 43.6 | | " | 50.0 | | 87.1 | 81-124 | | | | |
| Bromoform | 43.1 | | " | 50.0 | | 86.1 | 80-136 | | | | |
| Bromomethane | 53.4 | | " | 50.0 | | 107 | 32-177 | | | | |
| Carbon disulfide | 40.4 | | " | 50.0 | | 80.9 | 10-136 | | | | |
| Carbon tetrachloride | 41.1 | | " | 50.0 | | 82.2 | 66-143 | | | | |
| Chlorobenzene | 43.1 | | " | 50.0 | | 86.2 | 86-120 | | | | |
| Chloroethane | 45.3 | | " | 50.0 | | 90.6 | 51-142 | | | | |
| Chloroform | 44.3 | | " | 50.0 | | 88.6 | 76-131 | | | | |
| Chloromethane | 45.5 | | " | 50.0 | | 91.1 | 49-132 | | | | |
| cis-1,2-Dichloroethylene | 44.3 | | " | 50.0 | | 88.7 | 74-132 | | | | |
| cis-1,3-Dichloropropylene | 45.3 | | " | 50.0 | | 90.5 | 81-129 | | | | |
| Cyclohexane | 40.8 | | " | 50.0 | | 81.6 | 70-130 | | | | |
| Dibromochloromethane | 49.6 | | " | 50.0 | | 99.2 | 10-200 | | | | |
| Dibromomethane | 45.1 | | " | 50.0 | | 90.2 | 83-124 | | | | |
| Dichlorodifluoromethane | 31.2 | | " | 50.0 | | 62.4 | 28-158 | | | | |
| Ethyl Benzene | 42.2 | | " | 50.0 | | 84.5 | 84-125 | | | | |
| Hexachlorobutadiene | 39.5 | | " | 50.0 | | 79.0 | 83-133 | Low Bias | | | |
| Isopropylbenzene | 38.2 | | " | 50.0 | | 76.4 | 81-127 | Low Bias | | | |
| Methyl acetate | 46.7 | | " | 50.0 | | 93.4 | 41-143 | | | | |
| Methyl tert-butyl ether (MTBE) | 49.7 | | " | 50.0 | | 99.4 | 74-131 | | | | |
| Methylcyclohexane | 40.2 | | " | 50.0 | | 80.3 | 70-130 | | | | |
| Methylene chloride | 49.3 | | " | 50.0 | | 98.6 | 57-141 | | | | |
| n-Butylbenzene | 45.5 | | " | 50.0 | | 91.0 | 80-130 | | | | |
| n-Propylbenzene | 40.1 | | " | 50.0 | | 80.3 | 74-136 | | | | |
| o-Xylene | 43.9 | | " | 50.0 | | 87.9 | 83-123 | | | | |
| p- & m- Xylenes | 85.0 | | " | 100 | | 85.0 | 82-128 | | | | |
| p-Isopropyltoluene | 45.4 | | " | 50.0 | | 90.7 | 85-125 | | | | |
| sec-Butylbenzene | 40.2 | | " | 50.0 | | 80.4 | 83-125 | Low Bias | | | |
| Styrene | 43.8 | | " | 50.0 | | 87.6 | 86-126 | | | | |
| tert-Butyl alcohol (TBA) | 144 | | " | 250 | | 57.6 | 70-130 | Low Bias | | | |
| tert-Butylbenzene | 45.3 | | " | 50.0 | | 90.6 | 80-127 | | | | |
| Tetrachloroethylene | 31.0 | | " | 50.0 | | 62.0 | 80-129 | Low Bias | | | |
| Toluene | 40.5 | | " | 50.0 | | 81.1 | 85-121 | Low Bias | | | |
| trans-1,2-Dichloroethylene | 41.5 | | " | 50.0 | | 83.1 | 72-132 | | | | |
| trans-1,3-Dichloropropylene | 47.4 | | " | 50.0 | | 94.8 | 78-132 | | | | |
| Trichloroethylene | 40.4 | | " | 50.0 | | 80.7 | 84-123 | Low Bias | | | |
| Trichlorofluoromethane | 41.2 | | " | 50.0 | | 82.3 | 62-140 | | | | |
| Vinyl acetate | 67.9 | | " | 50.0 | | 136 | 67-136 | | | | |
| Vinyl Chloride | 42.0 | | " | 50.0 | | 84.1 | 52-130 | | | | |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 53.4 | | " | 50.0 | | 107 | 77-125 | | | | |



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---|--------|-----------------|-------|-------------|----------------|------|-------------|------|--------|-----------|------|
| Batch BC91555 - EPA 5035A | | | | | | | | | | | |
| LCS (BC91555-BS1) | | | | | | | | | | | |
| Prepared & Analyzed: 04/01/2019 | | | | | | | | | | | |
| Surrogate: SURRE: Toluene-d8 | 48.6 | | ug/L | 50.0 | | 97.1 | 85-120 | | | | |
| Surrogate: SURRE: p-Bromofluorobenzene | 48.7 | | " | 50.0 | | 97.4 | 76-130 | | | | |
| LCS Dup (BC91555-BSD1) | | | | | | | | | | | |
| Prepared & Analyzed: 04/01/2019 | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 44.8 | | ug/L | 50.0 | | 89.7 | 75-129 | | 4.82 | 30 | |
| 1,1,1-Trichloroethane | 42.0 | | " | 50.0 | | 83.9 | 71-137 | | 7.59 | 30 | |
| 1,1,2,2-Tetrachloroethane | 52.2 | | " | 50.0 | | 104 | 79-129 | | 2.89 | 30 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 41.7 | | " | 50.0 | | 83.3 | 58-146 | | 1.64 | 30 | |
| 1,1,2-Trichloroethane | 46.3 | | " | 50.0 | | 92.6 | 83-123 | | 2.41 | 30 | |
| 1,1-Dichloroethane | 41.9 | | " | 50.0 | | 83.9 | 75-130 | | 3.97 | 30 | |
| 1,1-Dichloroethylene | 41.9 | | " | 50.0 | | 83.8 | 64-137 | | 4.47 | 30 | |
| 1,1-Dichloropropylene | 40.6 | | " | 50.0 | | 81.1 | 77-127 | | 2.82 | 30 | |
| 1,2,3-Trichlorobenzene | 45.0 | | " | 50.0 | | 89.9 | 81-140 | | 1.77 | 30 | |
| 1,2,3-Trichloropropane | 49.4 | | " | 50.0 | | 98.8 | 81-126 | | 3.57 | 30 | |
| 1,2,4-Trichlorobenzene | 44.0 | | " | 50.0 | | 88.0 | 80-141 | | 0.114 | 30 | |
| 1,2,4-Trimethylbenzene | 42.3 | | " | 50.0 | | 84.6 | 84-125 | | 4.82 | 30 | |
| 1,2-Dibromo-3-chloropropane | 47.9 | | " | 50.0 | | 95.8 | 74-142 | | 3.29 | 30 | |
| 1,2-Dibromoethane | 50.0 | | " | 50.0 | | 100 | 86-123 | | 5.10 | 30 | |
| 1,2-Dichlorobenzene | 45.2 | | " | 50.0 | | 90.4 | 85-122 | | 2.17 | 30 | |
| 1,2-Dichloroethane | 47.2 | | " | 50.0 | | 94.5 | 71-133 | | 1.07 | 30 | |
| 1,2-Dichloropropane | 43.0 | | " | 50.0 | | 86.1 | 81-122 | | 5.08 | 30 | |
| 1,3,5-Trimethylbenzene | 49.5 | | " | 50.0 | | 99.0 | 82-126 | | 3.03 | 30 | |
| 1,3-Dichlorobenzene | 43.6 | | " | 50.0 | | 87.2 | 84-124 | | 3.10 | 30 | |
| 1,3-Dichloropropane | 47.8 | | " | 50.0 | | 95.7 | 83-123 | | 3.16 | 30 | |
| 1,4-Dichlorobenzene | 43.7 | | " | 50.0 | | 87.3 | 84-124 | | 4.14 | 30 | |
| 1,4-Dioxane | 224 | | " | 1050 | | 21.3 | 10-228 | | 4.42 | 30 | |
| 2,2-Dichloropropane | 39.4 | | " | 50.0 | | 78.9 | 67-136 | | 5.79 | 30 | |
| 2-Butanone | 43.2 | | " | 50.0 | | 86.3 | 58-147 | | 15.9 | 30 | |
| 2-Chlorotoluene | 42.3 | | " | 50.0 | | 84.6 | 78-127 | | 1.67 | 30 | |
| 2-Hexanone | 47.1 | | " | 50.0 | | 94.2 | 70-139 | | 1.35 | 30 | |
| 4-Chlorotoluene | 42.6 | | " | 50.0 | | 85.2 | 79-125 | | 3.44 | 30 | |
| 4-Methyl-2-pentanone | 48.1 | | " | 50.0 | | 96.1 | 72-132 | | 1.57 | 30 | |
| Acetone | 41.8 | | " | 50.0 | | 83.5 | 36-155 | | 1.59 | 30 | |
| Acrolein | 63.0 | | " | 50.0 | | 126 | 10-238 | | 0.222 | 30 | |
| Acrylonitrile | 47.9 | | " | 50.0 | | 95.8 | 66-141 | | 5.96 | 30 | |
| Benzene | 42.3 | | " | 50.0 | | 84.6 | 77-127 | | 5.25 | 30 | |
| Bromobenzene | 45.2 | | " | 50.0 | | 90.4 | 77-129 | | 5.20 | 30 | |
| Bromochloromethane | 47.4 | | " | 50.0 | | 94.7 | 74-129 | | 0.505 | 30 | |
| Bromodichloromethane | 46.0 | | " | 50.0 | | 92.0 | 81-124 | | 5.38 | 30 | |
| Bromoform | 45.5 | | " | 50.0 | | 91.0 | 80-136 | | 5.47 | 30 | |
| Bromomethane | 54.4 | | " | 50.0 | | 109 | 32-177 | | 1.69 | 30 | |
| Carbon disulfide | 38.5 | | " | 50.0 | | 77.0 | 10-136 | | 4.89 | 30 | |
| Carbon tetrachloride | 40.2 | | " | 50.0 | | 80.3 | 66-143 | | 2.34 | 30 | |
| Chlorobenzene | 43.0 | | " | 50.0 | | 86.0 | 86-120 | | 0.256 | 30 | |
| Chloroethane | 42.7 | | " | 50.0 | | 85.4 | 51-142 | | 5.82 | 30 | |
| Chloroform | 43.6 | | " | 50.0 | | 87.3 | 76-131 | | 1.50 | 30 | |
| Chloromethane | 45.5 | | " | 50.0 | | 91.0 | 49-132 | | 0.0879 | 30 | |
| cis-1,2-Dichloroethylene | 42.2 | | " | 50.0 | | 84.4 | 74-132 | | 4.90 | 30 | |
| cis-1,3-Dichloropropylene | 45.6 | | " | 50.0 | | 91.3 | 81-129 | | 0.814 | 30 | |
| Cyclohexane | 38.8 | | " | 50.0 | | 77.6 | 70-130 | | 5.05 | 30 | |
| Dibromochloromethane | 48.4 | | " | 50.0 | | 96.7 | 10-200 | | 2.49 | 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 BC91555 - EPA 5035A | | | | | | | | | | | |
| LCS Dup (BC91555-BSD1) | | | | | | | | | | | |
| Prepared & Analyzed: 04/01/2019 | | | | | | | | | | | |
| Dibromomethane | 47.8 | | ug/L | 50.0 | | 95.6 | 83-124 | | 5.85 | 30 | |
| Dichlorodifluoromethane | 29.6 | | " | 50.0 | | 59.2 | 28-158 | | 5.23 | 30 | |
| Ethyl Benzene | 42.5 | | " | 50.0 | | 85.0 | 84-125 | | 0.543 | 30 | |
| Hexachlorobutadiene | 40.4 | | " | 50.0 | | 80.8 | 83-133 | Low Bias | 2.28 | 30 | |
| Isopropylbenzene | 39.6 | | " | 50.0 | | 79.3 | 81-127 | Low Bias | 3.67 | 30 | |
| Methyl acetate | 43.6 | | " | 50.0 | | 87.1 | 41-143 | | 6.98 | 30 | |
| Methyl tert-butyl ether (MTBE) | 47.2 | | " | 50.0 | | 94.4 | 74-131 | | 5.12 | 30 | |
| Methylcyclohexane | 39.3 | | " | 50.0 | | 78.7 | 70-130 | | 2.11 | 30 | |
| Methylene chloride | 46.9 | | " | 50.0 | | 93.8 | 57-141 | | 4.95 | 30 | |
| n-Butylbenzene | 46.0 | | " | 50.0 | | 92.1 | 80-130 | | 1.25 | 30 | |
| n-Propylbenzene | 40.7 | | " | 50.0 | | 81.5 | 74-136 | | 1.48 | 30 | |
| o-Xylene | 44.2 | | " | 50.0 | | 88.3 | 83-123 | | 0.522 | 30 | |
| p- & m- Xylenes | 84.8 | | " | 100 | | 84.8 | 82-128 | | 0.271 | 30 | |
| p-Isopropyltoluene | 42.2 | | " | 50.0 | | 84.4 | 85-125 | Low Bias | 7.22 | 30 | |
| sec-Butylbenzene | 41.8 | | " | 50.0 | | 83.5 | 83-125 | | 3.76 | 30 | |
| Styrene | 44.4 | | " | 50.0 | | 88.7 | 86-126 | | 1.27 | 30 | |
| tert-Butyl alcohol (TBA) | 126 | | " | 250 | | 50.6 | 70-130 | Low Bias | 12.9 | 30 | |
| tert-Butylbenzene | 40.2 | | " | 50.0 | | 80.3 | 80-127 | | 12.0 | 30 | |
| Tetrachloroethylene | 32.2 | | " | 50.0 | | 64.5 | 80-129 | Low Bias | 4.02 | 30 | |
| Toluene | 41.7 | | " | 50.0 | | 83.4 | 85-121 | Low Bias | 2.80 | 30 | |
| trans-1,2-Dichloroethylene | 40.0 | | " | 50.0 | | 80.1 | 72-132 | | 3.63 | 30 | |
| trans-1,3-Dichloropropylene | 47.6 | | " | 50.0 | | 95.2 | 78-132 | | 0.337 | 30 | |
| Trichloroethylene | 41.2 | | " | 50.0 | | 82.4 | 84-123 | Low Bias | 2.11 | 30 | |
| Trichlorofluoromethane | 40.1 | | " | 50.0 | | 80.2 | 62-140 | | 2.68 | 30 | |
| Vinyl acetate | 67.0 | | " | 50.0 | | 134 | 67-136 | | 1.27 | 30 | |
| Vinyl Chloride | 37.0 | | " | 50.0 | | 74.0 | 52-130 | | 12.8 | 30 | |
| Surrogate: Surr: 1,2-Dichloroethane-d4 | 50.1 | | " | 50.0 | | 100 | 77-125 | | | | |
| Surrogate: Surr: Toluene-d8 | 48.8 | | " | 50.0 | | 97.6 | 85-120 | | | | |
| Surrogate: Surr: 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 |
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|

Batch BC91558 - EPA 3510C/1311

Blank (BC91558-BLK1)

Prepared: 03/29/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|---------------------------------------|--------|---------|------|--------|--|------|----------|--|--|--|--|
| 1,4-Dichlorobenzene | ND | 0.0100 | mg/L | | | | | | | | |
| 2,4,5-Trichlorophenol | ND | 0.0100 | " | | | | | | | | |
| 2,4,6-Trichlorophenol | ND | 0.0100 | " | | | | | | | | |
| 2,4-Dinitrotoluene | ND | 0.0100 | " | | | | | | | | |
| 2-Methylphenol | ND | 0.0100 | " | | | | | | | | |
| 3- & 4-Methylphenols | ND | 0.0100 | " | | | | | | | | |
| Cresols, total | ND | 0.0300 | " | | | | | | | | |
| Hexachlorobenzene | ND | 0.0100 | " | | | | | | | | |
| Hexachlorobutadiene | ND | 0.0100 | " | | | | | | | | |
| Hexachloroethane | ND | 0.00500 | " | | | | | | | | |
| Nitrobenzene | ND | 0.0100 | " | | | | | | | | |
| Pentachlorophenol | ND | 0.0100 | " | | | | | | | | |
| Pyridine | ND | 0.0100 | " | | | | | | | | |
| <hr/> | | | | | | | | | | | |
| Surrogate: SURR: 2-Fluorophenol | 0.0532 | | " | 0.100 | | 53.2 | 10-90.9 | | | | |
| Surrogate: SURR: Phenol-d5 | 0.0346 | | " | 0.100 | | 34.6 | 10-69.2 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 0.0354 | | " | 0.0500 | | 70.7 | 19.2-141 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 0.0388 | | " | 0.0500 | | 77.5 | 24.8-127 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 0.0805 | | " | 0.100 | | 80.5 | 23-163 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 0.0416 | | " | 0.0500 | | 83.3 | 25.8-110 | | | | |

LCS (BC91558-BS1)

Prepared: 03/29/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|---------------------------------------|--------|---------|------|--------|--|------|----------|-----------|--|--|--|
| 1,4-Dichlorobenzene | 0.0323 | 0.0100 | mg/L | 0.0500 | | 64.6 | 30-105 | | | | |
| 2,4,5-Trichlorophenol | 0.0346 | 0.0100 | " | 0.0500 | | 69.1 | 32-114 | | | | |
| 2,4,6-Trichlorophenol | 0.0350 | 0.0100 | " | 0.0500 | | 70.1 | 35-118 | | | | |
| 2,4-Dinitrotoluene | 0.0367 | 0.0100 | " | 0.0500 | | 73.5 | 41-128 | | | | |
| 2-Methylphenol | 0.0295 | 0.0100 | " | 0.0500 | | 59.0 | 10-110 | | | | |
| 3- & 4-Methylphenols | 0.0253 | 0.0100 | " | 0.0500 | | 50.5 | 10-107 | | | | |
| Cresols, total | 0.0548 | 0.0300 | " | 0.100 | | 54.8 | 30-130 | | | | |
| Hexachlorobenzene | 0.0335 | 0.0100 | " | 0.0500 | | 67.1 | 23-124 | | | | |
| Hexachlorobutadiene | 0.0336 | 0.0100 | " | 0.0500 | | 67.3 | 15-123 | | | | |
| Hexachloroethane | 0.0327 | 0.00500 | " | 0.0500 | | 65.4 | 18-115 | | | | |
| Nitrobenzene | 0.0315 | 0.0100 | " | 0.0500 | | 63.0 | 21-121 | | | | |
| Pentachlorophenol | 0.0375 | 0.0100 | " | 0.0500 | | 75.0 | 10-156 | | | | |
| Pyridine | 0.0737 | 0.0100 | " | 0.0700 | | 105 | 10-90 | High Bias | | | |
| <hr/> | | | | | | | | | | | |
| Surrogate: SURR: 2-Fluorophenol | 0.0535 | | " | 0.100 | | 53.5 | 10-90.9 | | | | |
| Surrogate: SURR: Phenol-d5 | 0.0371 | | " | 0.100 | | 37.1 | 10-69.2 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 0.0329 | | " | 0.0500 | | 65.8 | 19.2-141 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 0.0373 | | " | 0.0500 | | 74.6 | 24.8-127 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 0.0846 | | " | 0.100 | | 84.6 | 23-163 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 0.0394 | | " | 0.0500 | | 78.8 | 25.8-110 | | | | |



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 BC91558 - EPA 3510C/1311

LCS Dup (BC91558-BSD1)

Prepared: 03/29/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|---------------------------------------|--------|---------|------|--------|--|------|----------|--|------|----|----------|
| 1,4-Dichlorobenzene | 0.0361 | 0.0100 | mg/L | 0.0500 | | 72.3 | 30-105 | | 11.2 | 20 | |
| 2,4,5-Trichlorophenol | 0.0393 | 0.0100 | " | 0.0500 | | 78.6 | 32-114 | | 12.8 | 20 | |
| 2,4,6-Trichlorophenol | 0.0415 | 0.0100 | " | 0.0500 | | 83.0 | 35-118 | | 16.8 | 20 | |
| 2,4-Dinitrotoluene | 0.0406 | 0.0100 | " | 0.0500 | | 81.2 | 41-128 | | 9.93 | 20 | |
| 2-Methylphenol | 0.0337 | 0.0100 | " | 0.0500 | | 67.3 | 10-110 | | 13.2 | 20 | |
| 3- & 4-Methylphenols | 0.0292 | 0.0100 | " | 0.0500 | | 58.5 | 10-107 | | 14.6 | 20 | |
| Cresols, total | 0.0629 | 0.0300 | " | 0.100 | | 62.9 | 30-130 | | 13.8 | 20 | |
| Hexachlorobenzene | 0.0370 | 0.0100 | " | 0.0500 | | 74.0 | 23-124 | | 9.81 | 20 | |
| Hexachlorobutadiene | 0.0376 | 0.0100 | " | 0.0500 | | 75.2 | 15-123 | | 11.1 | 20 | |
| Hexachloroethane | 0.0358 | 0.00500 | " | 0.0500 | | 71.6 | 18-115 | | 9.17 | 20 | |
| Nitrobenzene | 0.0381 | 0.0100 | " | 0.0500 | | 76.3 | 21-121 | | 19.1 | 20 | |
| Pentachlorophenol | 0.0415 | 0.0100 | " | 0.0500 | | 82.9 | 10-156 | | 10.0 | 20 | |
| Pyridine | 0.0497 | 0.0100 | " | 0.0700 | | 71.0 | 10-90 | | 38.8 | 20 | Non-dir. |
| Surrogate: SURR: 2-Fluorophenol | 0.0628 | | " | 0.100 | | 62.8 | 10-90.9 | | | | |
| Surrogate: SURR: Phenol-d5 | 0.0428 | | " | 0.100 | | 42.8 | 10-69.2 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 0.0374 | | " | 0.0500 | | 74.9 | 19.2-141 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 0.0439 | | " | 0.0500 | | 87.9 | 24.8-127 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 0.0927 | | " | 0.100 | | 92.7 | 23-163 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 0.0444 | | " | 0.0500 | | 88.8 | 25.8-110 | | | | |

Leach Fluid Blank (BC91558-LBK1)

Prepared: 03/29/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|---------------------------------------|--------|---------|------|--------|--|------|----------|--|--|--|--|
| 1,4-Dichlorobenzene | ND | 0.0100 | mg/L | | | | | | | | |
| 2,4,5-Trichlorophenol | ND | 0.0100 | " | | | | | | | | |
| 2,4,6-Trichlorophenol | ND | 0.0100 | " | | | | | | | | |
| 2,4-Dinitrotoluene | ND | 0.0100 | " | | | | | | | | |
| 2-Methylphenol | ND | 0.0100 | " | | | | | | | | |
| 3- & 4-Methylphenols | ND | 0.0100 | " | | | | | | | | |
| Cresols, total | ND | 0.0300 | " | | | | | | | | |
| Hexachlorobenzene | ND | 0.0100 | " | | | | | | | | |
| Hexachlorobutadiene | ND | 0.0100 | " | | | | | | | | |
| Hexachloroethane | ND | 0.00500 | " | | | | | | | | |
| Nitrobenzene | ND | 0.0100 | " | | | | | | | | |
| Pentachlorophenol | ND | 0.0100 | " | | | | | | | | |
| Pyridine | ND | 0.0100 | " | | | | | | | | |
| Surrogate: SURR: 2-Fluorophenol | 0.0531 | | " | 0.100 | | 53.1 | 10-90.9 | | | | |
| Surrogate: SURR: Phenol-d5 | 0.0381 | | " | 0.100 | | 38.1 | 10-69.2 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 0.0331 | | " | 0.0500 | | 66.2 | 19.2-141 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 0.0380 | | " | 0.0500 | | 76.0 | 24.8-127 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 0.0844 | | " | 0.100 | | 84.4 | 23-163 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 0.0399 | | " | 0.0500 | | 79.8 | 25.8-110 | | | | |



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 BD90052 - EPA 3550C

Blank (BD90052-BLK1)

Prepared: 04/01/2019 Analyzed: 04/02/2019

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90052 - EPA 3550C

Blank (BD90052-BLK1)

Prepared: 04/01/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Caprolactam | ND | 0.0833 | mg/kg wet | | | | | | | | |
| Carbazole | ND | 0.0417 | " | | | | | | | | |
| Chrysene | ND | 0.0417 | " | | | | | | | | |
| Dibenzo(a,h)anthracene | ND | 0.0417 | " | | | | | | | | |
| Dibenzofuran | ND | 0.0417 | " | | | | | | | | |
| Diethyl phthalate | ND | 0.0417 | " | | | | | | | | |
| Dimethyl phthalate | ND | 0.0417 | " | | | | | | | | |
| Di-n-butyl phthalate | ND | 0.0417 | " | | | | | | | | |
| Di-n-octyl phthalate | ND | 0.0417 | " | | | | | | | | |
| Fluoranthene | ND | 0.0417 | " | | | | | | | | |
| Fluorene | ND | 0.0417 | " | | | | | | | | |
| Hexachlorobenzene | ND | 0.0417 | " | | | | | | | | |
| Hexachlorobutadiene | ND | 0.0417 | " | | | | | | | | |
| Hexachlorocyclopentadiene | ND | 0.0417 | " | | | | | | | | |
| Hexachloroethane | ND | 0.0417 | " | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.0417 | " | | | | | | | | |
| Isophorone | ND | 0.0417 | " | | | | | | | | |
| Naphthalene | ND | 0.0417 | " | | | | | | | | |
| Nitrobenzene | ND | 0.0417 | " | | | | | | | | |
| N-Nitrosodimethylamine | ND | 0.0417 | " | | | | | | | | |
| N-nitroso-di-n-propylamine | ND | 0.0417 | " | | | | | | | | |
| N-Nitrosodiphenylamine | ND | 0.0417 | " | | | | | | | | |
| Pentachlorophenol | ND | 0.0417 | " | | | | | | | | |
| Phenanthrene | ND | 0.0417 | " | | | | | | | | |
| Phenol | ND | 0.0417 | " | | | | | | | | |
| Pyrene | ND | 0.0417 | " | | | | | | | | |
| Pyridine | ND | 0.167 | " | | | | | | | | |
| Surrogate: SURR: 2-Fluorophenol | 1.44 | | " | 1.67 | | 86.6 | 20-108 | | | | |
| Surrogate: SURR: Phenol-d5 | 1.33 | | " | 1.67 | | 79.6 | 23-114 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 0.751 | | " | 0.833 | | 90.2 | 22-108 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 0.653 | | " | 0.833 | | 78.3 | 21-113 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.49 | | " | 1.67 | | 89.5 | 19-110 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 0.755 | | " | 0.833 | | 90.6 | 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 BD90052 - EPA 3550C | | | | | | | | | | | |
| LCS (BD90052-BS1) | | | | | | | | | | | |
| Prepared: 04/01/2019 Analyzed: 04/02/2019 | | | | | | | | | | | |
| 1,1-Biphenyl | 0.504 | 0.0417 | mg/kg wet | 0.833 | | 60.5 | 18-111 | | | | |
| 1,2,4,5-Tetrachlorobenzene | 0.774 | 0.0833 | " | 0.833 | | 92.9 | 21-131 | | | | |
| 1,2,4-Trichlorobenzene | 0.616 | 0.0417 | " | 0.833 | | 73.9 | 10-140 | | | | |
| 1,2-Dichlorobenzene | 0.574 | 0.0417 | " | 0.833 | | 68.8 | 34-108 | | | | |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.699 | 0.0417 | " | 0.833 | | 83.9 | 17-137 | | | | |
| 1,3-Dichlorobenzene | 0.565 | 0.0417 | " | 0.833 | | 67.8 | 33-110 | | | | |
| 1,4-Dichlorobenzene | 0.569 | 0.0417 | " | 0.833 | | 68.3 | 32-104 | | | | |
| 2,3,4,6-Tetrachlorophenol | 1.39 | 0.0833 | " | 0.833 | | 166 | 30-130 | High Bias | | | |
| 2,4,5-Trichlorophenol | 0.573 | 0.0417 | " | 0.833 | | 68.8 | 27-118 | | | | |
| 2,4,6-Trichlorophenol | 0.603 | 0.0417 | " | 0.833 | | 72.3 | 31-120 | | | | |
| 2,4-Dichlorophenol | 0.693 | 0.0417 | " | 0.833 | | 83.1 | 20-127 | | | | |
| 2,4-Dimethylphenol | 0.669 | 0.0417 | " | 0.833 | | 80.3 | 14-132 | | | | |
| 2,4-Dinitrophenol | 0.405 | 0.0833 | " | 0.833 | | 48.6 | 10-171 | | | | |
| 2,4-Dinitrotoluene | 0.645 | 0.0417 | " | 0.833 | | 77.4 | 34-131 | | | | |
| 2,6-Dinitrotoluene | 0.729 | 0.0417 | " | 0.833 | | 87.4 | 31-128 | | | | |
| 2-Chloronaphthalene | 0.557 | 0.0417 | " | 0.833 | | 66.8 | 31-117 | | | | |
| 2-Chlorophenol | 0.646 | 0.0417 | " | 0.833 | | 77.6 | 33-113 | | | | |
| 2-Methylnaphthalene | 0.641 | 0.0417 | " | 0.833 | | 76.9 | 12-138 | | | | |
| 2-Methylphenol | 0.595 | 0.0417 | " | 0.833 | | 71.4 | 10-136 | | | | |
| 2-Nitroaniline | 0.655 | 0.0833 | " | 0.833 | | 78.6 | 27-132 | | | | |
| 2-Nitrophenol | 0.736 | 0.0417 | " | 0.833 | | 88.3 | 17-129 | | | | |
| 3- & 4-Methylphenols | 0.532 | 0.0417 | " | 0.833 | | 63.9 | 29-103 | | | | |
| 3,3-Dichlorobenzidine | 0.606 | 0.0417 | " | 0.833 | | 72.8 | 22-149 | | | | |
| 3-Nitroaniline | 0.508 | 0.0833 | " | 0.833 | | 61.0 | 20-133 | | | | |
| 4,6-Dinitro-2-methylphenol | 0.754 | 0.0833 | " | 0.833 | | 90.4 | 10-143 | | | | |
| 4-Bromophenyl phenyl ether | 0.666 | 0.0417 | " | 0.833 | | 80.0 | 29-120 | | | | |
| 4-Chloro-3-methylphenol | 0.708 | 0.0417 | " | 0.833 | | 84.9 | 24-129 | | | | |
| 4-Chloroaniline | 0.359 | 0.0417 | " | 0.833 | | 43.0 | 10-132 | | | | |
| 4-Chlorophenyl phenyl ether | 0.598 | 0.0417 | " | 0.833 | | 71.7 | 27-124 | | | | |
| 4-Nitroaniline | 0.618 | 0.0833 | " | 0.833 | | 74.2 | 16-128 | | | | |
| 4-Nitrophenol | 0.624 | 0.0833 | " | 0.833 | | 74.9 | 10-141 | | | | |
| Acenaphthene | 0.523 | 0.0417 | " | 0.833 | | 62.7 | 30-121 | | | | |
| Acenaphthylene | 0.537 | 0.0417 | " | 0.833 | | 64.4 | 30-115 | | | | |
| Acetophenone | 0.575 | 0.0417 | " | 0.833 | | 69.0 | 20-112 | | | | |
| Aniline | 0.452 | 0.167 | " | 0.833 | | 54.2 | 10-119 | | | | |
| Anthracene | 0.658 | 0.0417 | " | 0.833 | | 79.0 | 34-118 | | | | |
| Atrazine | 0.686 | 0.0417 | " | 0.833 | | 82.3 | 26-112 | | | | |
| Benzaldehyde | 0.732 | 0.0417 | " | 0.833 | | 87.8 | 21-100 | | | | |
| Benzo(a)anthracene | 0.593 | 0.0417 | " | 0.833 | | 71.2 | 32-122 | | | | |
| Benzo(a)pyrene | 0.620 | 0.0417 | " | 0.833 | | 74.4 | 29-133 | | | | |
| Benzo(b)fluoranthene | 0.599 | 0.0417 | " | 0.833 | | 71.9 | 25-133 | | | | |
| Benzo(g,h,i)perylene | 0.664 | 0.0417 | " | 0.833 | | 79.7 | 10-143 | | | | |
| Benzo(k)fluoranthene | 0.577 | 0.0417 | " | 0.833 | | 69.2 | 25-128 | | | | |
| Benzoic acid | 0.189 | 0.0417 | " | 1.15 | | 16.5 | 10-140 | | | | |
| Benzyl alcohol | 0.675 | 0.0417 | " | 0.833 | | 81.0 | 30-115 | | | | |
| Benzyl butyl phthalate | 0.802 | 0.0417 | " | 0.833 | | 96.3 | 26-126 | | | | |
| Bis(2-chloroethoxy)methane | 0.667 | 0.0417 | " | 0.833 | | 80.0 | 19-132 | | | | |
| Bis(2-chloroethyl)ether | 0.630 | 0.0417 | " | 0.833 | | 75.6 | 19-125 | | | | |
| Bis(2-chloroisopropyl)ether | 0.737 | 0.0417 | " | 0.833 | | 88.5 | 20-135 | | | | |
| Bis(2-ethylhexyl)phthalate | 0.808 | 0.0417 | " | 0.833 | | 97.0 | 10-155 | | | | |
| Caprolactam | 0.605 | 0.0833 | " | 0.833 | | 72.6 | 10-127 | | | | |



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90052 - EPA 3550C

LCS (BD90052-BS1)

Prepared: 04/01/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Carbazole | 0.646 | 0.0417 | mg/kg wet | 0.833 | | 77.6 | 35-123 | | | | |
| Chrysene | 0.582 | 0.0417 | " | 0.833 | | 69.8 | 32-123 | | | | |
| Dibenzo(a,h)anthracene | 0.694 | 0.0417 | " | 0.833 | | 83.3 | 10-136 | | | | |
| Dibenzofuran | 0.552 | 0.0417 | " | 0.833 | | 66.2 | 29-121 | | | | |
| Diethyl phthalate | 0.630 | 0.0417 | " | 0.833 | | 75.6 | 34-116 | | | | |
| Dimethyl phthalate | 0.600 | 0.0417 | " | 0.833 | | 72.0 | 35-124 | | | | |
| Di-n-butyl phthalate | 0.761 | 0.0417 | " | 0.833 | | 91.4 | 31-116 | | | | |
| Di-n-octyl phthalate | 0.900 | 0.0417 | " | 0.833 | | 108 | 26-136 | | | | |
| Fluoranthene | 0.650 | 0.0417 | " | 0.833 | | 78.0 | 33-122 | | | | |
| Fluorene | 0.553 | 0.0417 | " | 0.833 | | 66.3 | 29-123 | | | | |
| Hexachlorobenzene | 0.674 | 0.0417 | " | 0.833 | | 80.9 | 21-124 | | | | |
| Hexachlorobutadiene | 0.624 | 0.0417 | " | 0.833 | | 74.8 | 10-149 | | | | |
| Hexachlorocyclopentadiene | 0.620 | 0.0417 | " | 0.833 | | 74.4 | 10-129 | | | | |
| Hexachloroethane | 0.621 | 0.0417 | " | 0.833 | | 74.5 | 28-108 | | | | |
| Indeno(1,2,3-cd)pyrene | 0.731 | 0.0417 | " | 0.833 | | 87.7 | 10-135 | | | | |
| Isophorone | 0.673 | 0.0417 | " | 0.833 | | 80.8 | 20-132 | | | | |
| Naphthalene | 0.600 | 0.0417 | " | 0.833 | | 72.0 | 23-124 | | | | |
| Nitrobenzene | 0.627 | 0.0417 | " | 0.833 | | 75.3 | 13-132 | | | | |
| N-Nitrosodimethylamine | 0.546 | 0.0417 | " | 0.833 | | 65.5 | 11-129 | | | | |
| N-nitroso-di-n-propylamine | 0.661 | 0.0417 | " | 0.833 | | 79.4 | 24-119 | | | | |
| N-Nitrosodiphenylamine | 0.793 | 0.0417 | " | 0.833 | | 95.1 | 22-152 | | | | |
| Pentachlorophenol | 0.646 | 0.0417 | " | 0.833 | | 77.5 | 10-139 | | | | |
| Phenanthrene | 0.638 | 0.0417 | " | 0.833 | | 76.6 | 33-123 | | | | |
| Phenol | 0.644 | 0.0417 | " | 0.833 | | 77.3 | 23-115 | | | | |
| Pyrene | 0.623 | 0.0417 | " | 0.833 | | 74.8 | 32-130 | | | | |
| Pyridine | 0.445 | 0.167 | " | 0.833 | | 53.4 | 10-91 | | | | |
| Surrogate: SURR: 2-Fluorophenol | 1.18 | | " | 1.67 | | 70.6 | 20-108 | | | | |
| Surrogate: SURR: Phenol-d5 | 1.06 | | " | 1.67 | | 63.9 | 23-114 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 0.629 | | " | 0.833 | | 75.5 | 22-108 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 0.535 | | " | 0.833 | | 64.2 | 21-113 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.43 | | " | 1.67 | | 85.9 | 19-110 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 0.625 | | " | 0.833 | | 75.0 | 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 |
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|

Batch BD90002 - EPA 3510C/1311

Blank (BD90002-BLK1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|----------------|-----------|----------|----------------|--|-------------|---------------|--|--|--|--|
| Endrin | ND | 0.0000400 | mg/L | | | | | | | | |
| gamma-BHC (Lindane) | ND | 0.0000400 | " | | | | | | | | |
| Heptachlor | ND | 0.0000400 | " | | | | | | | | |
| Heptachlor epoxide | ND | 0.0000400 | " | | | | | | | | |
| Methoxychlor | ND | 0.0000400 | " | | | | | | | | |
| Toxaphene | ND | 0.00100 | " | | | | | | | | |
| Chlordane, total | ND | 0.00200 | " | | | | | | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.00122</i> | | <i>"</i> | <i>0.00200</i> | | <i>61.0</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.00153</i> | | <i>"</i> | <i>0.00200</i> | | <i>76.7</i> | <i>30-150</i> | | | | |

LCS (BD90002-BS1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|----------------|-----------|----------|----------------|--|-------------|---------------|--|--|--|--|
| Endrin | 0.000564 | 0.0000400 | mg/L | 0.00100 | | 56.4 | 40-140 | | | | |
| gamma-BHC (Lindane) | 0.000818 | 0.0000400 | " | 0.00100 | | 81.8 | 40-140 | | | | |
| Heptachlor | 0.000633 | 0.0000400 | " | 0.00100 | | 63.3 | 40-140 | | | | |
| Heptachlor epoxide | 0.000676 | 0.0000400 | " | 0.00100 | | 67.6 | 40-140 | | | | |
| Methoxychlor | 0.000511 | 0.0000400 | " | 0.00100 | | 51.1 | 40-140 | | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.00126</i> | | <i>"</i> | <i>0.00200</i> | | <i>62.9</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.00135</i> | | <i>"</i> | <i>0.00200</i> | | <i>67.3</i> | <i>30-150</i> | | | | |

LCS Dup (BD90002-BSD1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|----------------|-----------|----------|----------------|--|-------------|---------------|-------|----|--|--|
| Endrin | 0.000557 | 0.0000400 | mg/L | 0.00100 | | 55.7 | 40-140 | 1.26 | 20 | | |
| gamma-BHC (Lindane) | 0.000813 | 0.0000400 | " | 0.00100 | | 81.3 | 40-140 | 0.605 | 20 | | |
| Heptachlor | 0.000636 | 0.0000400 | " | 0.00100 | | 63.6 | 40-140 | 0.484 | 20 | | |
| Heptachlor epoxide | 0.000666 | 0.0000400 | " | 0.00100 | | 66.6 | 40-140 | 1.39 | 20 | | |
| Methoxychlor | 0.000449 | 0.0000400 | " | 0.00100 | | 44.9 | 40-140 | 13.0 | 20 | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.00115</i> | | <i>"</i> | <i>0.00200</i> | | <i>57.3</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.00135</i> | | <i>"</i> | <i>0.00200</i> | | <i>67.6</i> | <i>30-150</i> | | | | |



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90002 - EPA 3510C/1311

Leach Fluid Blank (BD90002-LBK1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|-----------------|-----------|------|----------------|--|-------------|---------------|--|--|--|--|
| Endrin | ND | 0.0000400 | mg/L | | | | | | | | |
| gamma-BHC (Lindane) | ND | 0.0000400 | " | | | | | | | | |
| Heptachlor | ND | 0.0000400 | " | | | | | | | | |
| Heptachlor epoxide | ND | 0.0000400 | " | | | | | | | | |
| Methoxychlor | ND | 0.0000400 | " | | | | | | | | |
| Toxaphene | ND | 0.00100 | " | | | | | | | | |
| Chlordane, total | ND | 0.00200 | " | | | | | | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.00122</i> | | " | <i>0.00200</i> | | <i>60.9</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.000895</i> | | " | <i>0.00200</i> | | <i>44.8</i> | <i>30-150</i> | | | | |

Batch BD90005 - EPA 3550C

Blank (BD90005-BLK1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|---------------|----------|-----------|---------------|--|-------------|---------------|--|--|--|--|
| 4,4'-DDD | ND | 0.000329 | mg/kg wet | | | | | | | | |
| 4,4'-DDE | ND | 0.000329 | " | | | | | | | | |
| 4,4'-DDT | ND | 0.000329 | " | | | | | | | | |
| Aldrin | ND | 0.000329 | " | | | | | | | | |
| alpha-BHC | ND | 0.000329 | " | | | | | | | | |
| alpha-Chlordane | ND | 0.000329 | " | | | | | | | | |
| beta-BHC | ND | 0.000329 | " | | | | | | | | |
| Chlordane, total | ND | 0.00658 | " | | | | | | | | |
| delta-BHC | ND | 0.000329 | " | | | | | | | | |
| Dieldrin | ND | 0.000329 | " | | | | | | | | |
| Endosulfan I | ND | 0.000329 | " | | | | | | | | |
| Endosulfan II | ND | 0.000329 | " | | | | | | | | |
| Endosulfan sulfate | ND | 0.000329 | " | | | | | | | | |
| Endrin | ND | 0.000329 | " | | | | | | | | |
| Endrin aldehyde | ND | 0.000329 | " | | | | | | | | |
| Endrin ketone | ND | 0.000329 | " | | | | | | | | |
| gamma-BHC (Lindane) | ND | 0.000329 | " | | | | | | | | |
| gamma-Chlordane | ND | 0.000329 | " | | | | | | | | |
| Heptachlor | ND | 0.000329 | " | | | | | | | | |
| Heptachlor epoxide | ND | 0.000329 | " | | | | | | | | |
| Methoxychlor | ND | 0.00164 | " | | | | | | | | |
| Toxaphene | ND | 0.0166 | " | | | | | | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.0497</i> | | " | <i>0.0664</i> | | <i>74.9</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.0489</i> | | " | <i>0.0664</i> | | <i>73.6</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 |
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|

Batch BD90005 - EPA 3550C

LCS (BD90005-BS1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|---------------------------------|--------|----------|-----------|--------|--|------|--------|--|--|--|--|
| 4,4'-DDD | 0.0260 | 0.000329 | mg/kg wet | 0.0332 | | 78.3 | 40-140 | | | | |
| 4,4'-DDE | 0.0235 | 0.000329 | " | 0.0332 | | 70.8 | 40-140 | | | | |
| 4,4'-DDT | 0.0168 | 0.000329 | " | 0.0332 | | 50.5 | 40-140 | | | | |
| Aldrin | 0.0265 | 0.000329 | " | 0.0332 | | 79.9 | 40-140 | | | | |
| alpha-BHC | 0.0302 | 0.000329 | " | 0.0332 | | 90.9 | 40-140 | | | | |
| alpha-Chlordane | 0.0234 | 0.000329 | " | 0.0332 | | 70.5 | 40-140 | | | | |
| beta-BHC | 0.0276 | 0.000329 | " | 0.0332 | | 83.2 | 40-140 | | | | |
| delta-BHC | 0.0299 | 0.000329 | " | 0.0332 | | 89.9 | 40-140 | | | | |
| Dieldrin | 0.0246 | 0.000329 | " | 0.0332 | | 74.1 | 40-140 | | | | |
| Endosulfan I | 0.0249 | 0.000329 | " | 0.0332 | | 74.9 | 40-140 | | | | |
| Endosulfan II | 0.0260 | 0.000329 | " | 0.0332 | | 78.3 | 40-140 | | | | |
| Endosulfan sulfate | 0.0278 | 0.000329 | " | 0.0332 | | 83.6 | 40-140 | | | | |
| Endrin | 0.0213 | 0.000329 | " | 0.0332 | | 64.1 | 40-140 | | | | |
| Endrin aldehyde | 0.0221 | 0.000329 | " | 0.0332 | | 66.7 | 40-140 | | | | |
| Endrin ketone | 0.0252 | 0.000329 | " | 0.0332 | | 75.8 | 40-140 | | | | |
| gamma-BHC (Lindane) | 0.0287 | 0.000329 | " | 0.0332 | | 86.3 | 40-140 | | | | |
| gamma-Chlordane | 0.0244 | 0.000329 | " | 0.0332 | | 73.3 | 40-140 | | | | |
| Heptachlor | 0.0233 | 0.000329 | " | 0.0332 | | 70.1 | 40-140 | | | | |
| Heptachlor epoxide | 0.0241 | 0.000329 | " | 0.0332 | | 72.7 | 40-140 | | | | |
| Methoxychlor | 0.0153 | 0.00164 | " | 0.0332 | | 46.0 | 40-140 | | | | |
| Surrogate: Decachlorobiphenyl | 0.0439 | | " | 0.0664 | | 66.1 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene | 0.0471 | | " | 0.0664 | | 70.9 | 30-150 | | | | |

Matrix Spike (BD90005-MS1)

*Source sample: 19C1054-01 (WC-1A (0-6))

Prepared: 04/01/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|---------------------------------|--------|---------|-----------|--------|----|------|--------|--|--|--|--|
| 4,4'-DDD | 0.0275 | 0.00195 | mg/kg dry | 0.0394 | ND | 69.7 | 30-150 | | | | |
| 4,4'-DDE | 0.0207 | 0.00195 | " | 0.0394 | ND | 52.7 | 30-150 | | | | |
| 4,4'-DDT | 0.0205 | 0.00195 | " | 0.0394 | ND | 52.1 | 30-150 | | | | |
| Aldrin | 0.0259 | 0.00195 | " | 0.0394 | ND | 65.6 | 30-150 | | | | |
| alpha-BHC | 0.0277 | 0.00195 | " | 0.0394 | ND | 70.2 | 30-150 | | | | |
| alpha-Chlordane | 0.0238 | 0.00195 | " | 0.0394 | ND | 60.4 | 30-150 | | | | |
| beta-BHC | 0.0310 | 0.00195 | " | 0.0394 | ND | 78.8 | 30-150 | | | | |
| delta-BHC | 0.0278 | 0.00195 | " | 0.0394 | ND | 70.6 | 30-150 | | | | |
| Dieldrin | 0.0251 | 0.00195 | " | 0.0394 | ND | 63.7 | 30-150 | | | | |
| Endosulfan I | 0.0292 | 0.00195 | " | 0.0394 | ND | 74.2 | 30-150 | | | | |
| Endosulfan II | 0.0255 | 0.00195 | " | 0.0394 | ND | 64.8 | 30-150 | | | | |
| Endosulfan sulfate | 0.0308 | 0.00195 | " | 0.0394 | ND | 78.1 | 30-150 | | | | |
| Endrin | 0.0250 | 0.00195 | " | 0.0394 | ND | 63.5 | 30-150 | | | | |
| Endrin aldehyde | 0.0261 | 0.00195 | " | 0.0394 | ND | 66.1 | 30-150 | | | | |
| Endrin ketone | 0.0313 | 0.00195 | " | 0.0394 | ND | 79.4 | 30-150 | | | | |
| gamma-BHC (Lindane) | 0.0283 | 0.00195 | " | 0.0394 | ND | 71.8 | 30-150 | | | | |
| gamma-Chlordane | 0.0235 | 0.00195 | " | 0.0394 | ND | 59.7 | 30-150 | | | | |
| Heptachlor | 0.0241 | 0.00195 | " | 0.0394 | ND | 61.2 | 30-150 | | | | |
| Heptachlor epoxide | 0.0258 | 0.00195 | " | 0.0394 | ND | 65.4 | 30-150 | | | | |
| Methoxychlor | 0.0274 | 0.00975 | " | 0.0394 | ND | 69.5 | 30-150 | | | | |
| Surrogate: Decachlorobiphenyl | 0.0584 | | " | 0.0788 | | 74.1 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene | 0.0501 | | " | 0.0788 | | 63.5 | 30-150 | | | | |



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90005 - EPA 3550C

| Matrix Spike Dup (BD90005-MSD1) | *Source sample: 19C1054-01 (WC-1A (0-6)) | | | | | Prepared: 04/01/2019 Analyzed: 04/02/2019 | | | | | |
|--|--|---------|-----------|--------|----|---|--------|--|-------|----|--|
| 4,4'-DDD | 0.0290 | 0.00195 | mg/kg dry | 0.0394 | ND | 73.7 | 30-150 | | 5.55 | 30 | |
| 4,4'-DDE | 0.0200 | 0.00195 | " | 0.0394 | ND | 50.7 | 30-150 | | 3.85 | 30 | |
| 4,4'-DDT | 0.0188 | 0.00195 | " | 0.0394 | ND | 47.8 | 30-150 | | 8.52 | 30 | |
| Aldrin | 0.0247 | 0.00195 | " | 0.0394 | ND | 62.6 | 30-150 | | 4.65 | 30 | |
| alpha-BHC | 0.0247 | 0.00195 | " | 0.0394 | ND | 62.8 | 30-150 | | 11.1 | 30 | |
| alpha-Chlordane | 0.0253 | 0.00195 | " | 0.0394 | ND | 64.3 | 30-150 | | 6.21 | 30 | |
| beta-BHC | 0.0296 | 0.00195 | " | 0.0394 | ND | 75.2 | 30-150 | | 4.62 | 30 | |
| delta-BHC | 0.0248 | 0.00195 | " | 0.0394 | ND | 62.9 | 30-150 | | 11.5 | 30 | |
| Dieldrin | 0.0262 | 0.00195 | " | 0.0394 | ND | 66.4 | 30-150 | | 4.20 | 30 | |
| Endosulfan I | 0.0322 | 0.00195 | " | 0.0394 | ND | 81.7 | 30-150 | | 9.63 | 30 | |
| Endosulfan II | 0.0251 | 0.00195 | " | 0.0394 | ND | 63.7 | 30-150 | | 1.60 | 30 | |
| Endosulfan sulfate | 0.0282 | 0.00195 | " | 0.0394 | ND | 71.7 | 30-150 | | 8.57 | 30 | |
| Endrin | 0.0250 | 0.00195 | " | 0.0394 | ND | 63.4 | 30-150 | | 0.102 | 30 | |
| Endrin aldehyde | 0.0249 | 0.00195 | " | 0.0394 | ND | 63.2 | 30-150 | | 4.56 | 30 | |
| Endrin ketone | 0.0282 | 0.00195 | " | 0.0394 | ND | 71.6 | 30-150 | | 10.4 | 30 | |
| gamma-BHC (Lindane) | 0.0273 | 0.00195 | " | 0.0394 | ND | 69.4 | 30-150 | | 3.42 | 30 | |
| gamma-Chlordane | 0.0237 | 0.00195 | " | 0.0394 | ND | 60.3 | 30-150 | | 0.950 | 30 | |
| Heptachlor | 0.0225 | 0.00195 | " | 0.0394 | ND | 57.1 | 30-150 | | 6.98 | 30 | |
| Heptachlor epoxide | 0.0266 | 0.00195 | " | 0.0394 | ND | 67.4 | 30-150 | | 3.05 | 30 | |
| Methoxychlor | 0.0228 | 0.00975 | " | 0.0394 | ND | 57.8 | 30-150 | | 18.4 | 30 | |
| Surrogate: Decachlorobiphenyl | 0.0488 | | " | 0.0788 | | 62.0 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene | 0.0465 | | " | 0.0788 | | 59.0 | 30-150 | | | | |

Batch Y9D0219 - BC91139

| Performance Mix (Y9D0219-PEM1) | Prepared & Analyzed: 04/01/2019 | | | | | | | | | | |
|---------------------------------------|---------------------------------|--|-------|------|--|------|-------|--|--|--|--|
| 4,4'-DDD | 0.00 | | ng/mL | 0.00 | | | 0-200 | | | | |
| 4,4'-DDD | 0.00 | | " | 0.00 | | | 0-200 | | | | |
| 4,4'-DDE | 0.154 | | " | 0.00 | | | 0-200 | | | | |
| 4,4'-DDE | 0.154 | | " | 0.00 | | | 0-200 | | | | |
| 4,4'-DDT | 125 | | " | 200 | | 62.3 | 0-200 | | | | |
| 4,4'-DDT | 125 | | " | 200 | | 62.3 | 0-200 | | | | |
| Endrin | 69.7 | | " | 100 | | 69.7 | 0-200 | | | | |
| Endrin | 69.7 | | " | 100 | | 69.7 | 0-200 | | | | |
| Endrin aldehyde | 0.170 | | " | 0.00 | | | 0-200 | | | | |
| Endrin aldehyde | 0.170 | | " | 0.00 | | | 0-200 | | | | |
| Endrin ketone | 2.25 | | " | 0.00 | | | 0-200 | | | | |
| Endrin ketone | 2.25 | | " | 0.00 | | | 0-200 | | | | |



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y9D0219 - BC91139

Performance Mix (Y9D0219-PEM2)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|-----------------|-------|--|-------|------|--|------|-------|--|--|--|--|
| 4,4'-DDD | 0.00 | | ng/mL | 0.00 | | | 0-200 | | | | |
| 4,4'-DDE | 0.239 | | " | 0.00 | | | 0-200 | | | | |
| 4,4'-DDT | 106 | | " | 200 | | 52.8 | 0-200 | | | | |
| Endrin | 69.0 | | " | 100 | | 69.0 | 0-200 | | | | |
| Endrin aldehyde | 1.08 | | " | 0.00 | | | 0-200 | | | | |
| Endrin ketone | 9.20 | | " | 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 BD90005 - EPA 3550C

Blank (BD90005-BLK1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | | | |
|--------------|----|--------|-----------|--|--|--|--|--|--|--|--|--|--|
| Aroclor 1016 | ND | 0.0166 | mg/kg wet | | | | | | | | | | |
| Aroclor 1221 | ND | 0.0166 | " | | | | | | | | | | |
| Aroclor 1232 | ND | 0.0166 | " | | | | | | | | | | |
| Aroclor 1242 | ND | 0.0166 | " | | | | | | | | | | |
| Aroclor 1248 | ND | 0.0166 | " | | | | | | | | | | |
| Aroclor 1254 | ND | 0.0166 | " | | | | | | | | | | |
| Aroclor 1260 | ND | 0.0166 | " | | | | | | | | | | |
| Total PCBs | ND | 0.0166 | " | | | | | | | | | | |

Surrogate: Tetrachloro-m-xylene

0.0757

"

0.0664

114

30-140

Surrogate: Decachlorobiphenyl

0.0897

"

0.0664

135

30-140

Blank (BD90005-BLK2)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | | | |
|--------------|----|--------|-----------|--|--|--|--|--|--|--|--|--|--|
| Aroclor 1016 | ND | 0.0166 | mg/kg wet | | | | | | | | | | |
| Aroclor 1221 | ND | 0.0166 | " | | | | | | | | | | |
| Aroclor 1232 | ND | 0.0166 | " | | | | | | | | | | |
| Aroclor 1242 | ND | 0.0166 | " | | | | | | | | | | |
| Aroclor 1248 | ND | 0.0166 | " | | | | | | | | | | |
| Aroclor 1254 | ND | 0.0166 | " | | | | | | | | | | |
| Aroclor 1260 | ND | 0.0166 | " | | | | | | | | | | |
| Total PCBs | ND | 0.0166 | " | | | | | | | | | | |

Surrogate: Tetrachloro-m-xylene

0.0757

"

0.0664

114

30-140

Surrogate: Decachlorobiphenyl

0.0897

"

0.0664

135

30-140

LCS (BD90005-BS2)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | | | |
|--------------|-------|--------|-----------|-------|--|-----|--------|--|--|--|--|--|--|
| Aroclor 1016 | 0.353 | 0.0166 | mg/kg wet | 0.332 | | 106 | 40-130 | | | | | | |
| Aroclor 1260 | 0.371 | 0.0166 | " | 0.332 | | 112 | 40-130 | | | | | | |

Surrogate: Tetrachloro-m-xylene

0.0698

"

0.0664

105

30-140

Surrogate: Decachlorobiphenyl

0.0777

"

0.0664

117

30-140



Polychlorinated Biphenyls by GC/ECD - 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 BD90005 - EPA 3550C | | | | | | | | | | | |
| Matrix Spike (BD90005-MS2) | *Source sample: 19C1054-01 (WC-1A (0-6)) | | | | | | Prepared & Analyzed: 04/01/2019 | | | | |
| Aroclor 1016 | 0.252 | 0.0197 | mg/kg dry | 0.394 | ND | 64.0 | 40-140 | | | | |
| Aroclor 1260 | 0.241 | 0.0197 | " | 0.394 | ND | 61.3 | 40-140 | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.0571</i> | | " | <i>0.0788</i> | | <i>72.5</i> | <i>30-140</i> | | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.0587</i> | | " | <i>0.0788</i> | | <i>74.5</i> | <i>30-140</i> | | | | |
| Matrix Spike Dup (BD90005-MSD2) | *Source sample: 19C1054-01 (WC-1A (0-6)) | | | | | | Prepared & Analyzed: 04/01/2019 | | | | |
| Aroclor 1016 | 0.254 | 0.0197 | mg/kg dry | 0.394 | ND | 64.3 | 40-140 | | 0.499 | 50 | |
| Aroclor 1260 | 0.252 | 0.0197 | " | 0.394 | ND | 64.0 | 40-140 | | 4.31 | 50 | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.0599</i> | | " | <i>0.0788</i> | | <i>76.0</i> | <i>30-140</i> | | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.0650</i> | | " | <i>0.0788</i> | | <i>82.5</i> | <i>30-140</i> | | | | |



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|--|--------|-----------------|-----------|-------------|----------------|------|-------------|------|------|-----------|---------------------------------|
| Batch BD90008 - EPA 3550B/8151A | | | | | | | | | | | |
| Blank (BD90008-BLK1) | | | | | | | | | | | Prepared & Analyzed: 04/01/2019 |
| 2,4,5-T | ND | 0.0199 | mg/kg wet | | | | | | | | |
| 2,4,5-TP (Silvex) | ND | 0.0199 | " | | | | | | | | |
| 2,4-D | ND | 0.0199 | " | | | | | | | | |
| <i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i> | 0.656 | | " | 0.498 | | 132 | 30-150 | | | | |
| LCS (BD90008-BS1) | | | | | | | | | | | Prepared & Analyzed: 04/01/2019 |
| 2,4,5-T | 0.120 | 0.0199 | mg/kg wet | 0.159 | | 75.0 | 40-140 | | | | |
| 2,4,5-TP (Silvex) | 0.0966 | 0.0199 | " | 0.159 | | 60.6 | 40-140 | | | | |
| 2,4-D | 0.0976 | 0.0199 | " | 0.159 | | 61.2 | 40-140 | | | | |
| <i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i> | 0.528 | | " | 0.498 | | 106 | 30-150 | | | | |
| Batch BD90010 - EPA 3535A/1311 | | | | | | | | | | | |
| Blank (BD90010-BLK1) | | | | | | | | | | | Prepared & Analyzed: 04/01/2019 |
| 2,4,5-TP (Silvex) | ND | 0.00500 | mg/L | | | | | | | | |
| 2,4-D | ND | 0.00500 | " | | | | | | | | |
| <i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i> | 0.164 | | " | 0.125 | | 131 | 30-150 | | | | |
| LCS (BD90010-BS1) | | | | | | | | | | | Prepared & Analyzed: 04/01/2019 |
| 2,4,5-TP (Silvex) | 0.0318 | 0.00500 | mg/L | 0.0400 | | 79.4 | 40-140 | | | | |
| 2,4-D | 0.0222 | 0.00500 | " | 0.0400 | | 55.6 | 40-140 | | | | |
| <i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i> | 0.152 | | " | 0.125 | | 122 | 30-150 | | | | |
| LCS Dup (BD90010-BSD1) | | | | | | | | | | | Prepared & Analyzed: 04/01/2019 |
| 2,4,5-TP (Silvex) | 0.0348 | 0.00500 | mg/L | 0.0400 | | 86.9 | 40-140 | | 9.02 | 30 | |
| 2,4-D | 0.0250 | 0.00500 | " | 0.0400 | | 62.5 | 40-140 | | 11.6 | 30 | |
| <i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i> | 0.150 | | " | 0.125 | | 120 | 30-150 | | | | |



Gas Chromatography/Flame Ionization Detector - 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 BC91399 - EPA 3545A | | | | | | | | | | | | | |
| Blank (BC91399-BLK1) | | | | | | | | | | | | | |
| | | | | | | | | | | | Prepared: 03/27/2019 Analyzed: 03/28/2019 | | |
| Total EPH | ND | 50.0 | mg/kg wet | | | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 9.13 | | " | 10.0 | | 91.3 | | 40-140 | | | | | |
| Surrogate: o-Terphenyl | 9.34 | | " | 10.0 | | 93.4 | | 40-140 | | | | | |
| LCS (BC91399-BS1) | | | | | | | | | | | | | |
| | | | | | | | | | | | Prepared: 03/27/2019 Analyzed: 03/28/2019 | | |
| Total EPH | 224 | 50.0 | mg/kg wet | 360 | | 62.1 | | 40-140 | | | | | |
| Surrogate: 1-Chlorooctadecane | 6.17 | | " | 10.0 | | 61.7 | | 40-140 | | | | | |
| Surrogate: o-Terphenyl | 5.37 | | " | 10.0 | | 53.7 | | 40-140 | | | | | |
| LCS Dup (BC91399-BSD1) | | | | | | | | | | | | | |
| | | | | | | | | | | | Prepared: 03/27/2019 Analyzed: 03/28/2019 | | |
| Total EPH | 215 | 50.0 | mg/kg wet | 360 | | 59.8 | | 40-140 | | 3.86 | | 30 | |
| Surrogate: 1-Chlorooctadecane | 6.69 | | " | 10.0 | | 66.9 | | 40-140 | | | | | |
| Surrogate: o-Terphenyl | 5.89 | | " | 10.0 | | 58.9 | | 40-140 | | | | | |



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

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

Batch BC91271 - EPA 3050B

Blank (BC91271-BLK1)

Prepared: 03/26/2019 Analyzed: 03/27/2019

| | | | | | | | | | | | |
|-----------|----|-------|-----------|--|--|--|--|--|--|--|--|
| Aluminum | ND | 5.00 | mg/kg wet | | | | | | | | |
| Antimony | ND | 2.50 | " | | | | | | | | |
| Arsenic | ND | 1.50 | " | | | | | | | | |
| Barium | ND | 2.50 | " | | | | | | | | |
| Beryllium | ND | 0.050 | " | | | | | | | | |
| Cadmium | ND | 0.300 | " | | | | | | | | |
| Calcium | ND | 5.00 | " | | | | | | | | |
| Chromium | ND | 0.500 | " | | | | | | | | |
| Cobalt | ND | 0.400 | " | | | | | | | | |
| Copper | ND | 2.00 | " | | | | | | | | |
| Iron | ND | 25.0 | " | | | | | | | | |
| Lead | ND | 0.500 | " | | | | | | | | |
| Magnesium | ND | 5.00 | " | | | | | | | | |
| Manganese | ND | 0.500 | " | | | | | | | | |
| Nickel | ND | 1.00 | " | | | | | | | | |
| Potassium | ND | 5.00 | " | | | | | | | | |
| Selenium | ND | 2.50 | " | | | | | | | | |
| Silver | ND | 0.500 | " | | | | | | | | |
| Sodium | ND | 50.0 | " | | | | | | | | |
| Thallium | ND | 2.50 | " | | | | | | | | |
| Vanadium | ND | 1.00 | " | | | | | | | | |
| Zinc | ND | 2.50 | " | | | | | | | | |

Duplicate (BC91271-DUP1)

*Source sample: 19C1054-09 (WC-4B (6-12))

Prepared: 03/26/2019 Analyzed: 03/27/2019

| | | | | | | | | | | | |
|-----------|-------|-------|-----------|--|-------|--|--|--|-------|----|----------|
| Aluminum | 7740 | 6.61 | mg/kg dry | | 7950 | | | | 2.72 | 35 | |
| Antimony | ND | 3.31 | " | | ND | | | | | 35 | |
| Arsenic | 5.28 | 1.98 | " | | 6.05 | | | | 13.5 | 35 | |
| Barium | 132 | 3.31 | " | | 126 | | | | 5.22 | 35 | |
| Beryllium | ND | 0.066 | " | | ND | | | | | 35 | |
| Cadmium | ND | 0.397 | " | | 0.422 | | | | | 35 | |
| Calcium | 9220 | 6.61 | " | | 14900 | | | | 47.2 | 35 | Non-dir. |
| Chromium | 15.7 | 0.661 | " | | 18.4 | | | | 15.7 | 35 | |
| Cobalt | 8.56 | 0.529 | " | | 9.62 | | | | 11.6 | 35 | |
| Copper | 67.2 | 2.65 | " | | 56.9 | | | | 16.6 | 35 | |
| Iron | 15900 | 33.1 | " | | 17000 | | | | 6.44 | 35 | |
| Lead | 238 | 0.661 | " | | 296 | | | | 21.6 | 35 | |
| Magnesium | 3560 | 6.61 | " | | 4290 | | | | 18.3 | 35 | |
| Manganese | 269 | 0.661 | " | | 335 | | | | 22.0 | 35 | |
| Nickel | 17.3 | 1.32 | " | | 20.1 | | | | 15.1 | 35 | |
| Potassium | 1900 | 6.61 | " | | 1760 | | | | 7.81 | 35 | |
| Selenium | ND | 3.31 | " | | ND | | | | | 35 | |
| Silver | ND | 0.661 | " | | ND | | | | | 35 | |
| Sodium | 305 | 66.1 | " | | 674 | | | | 75.3 | 35 | Non-dir. |
| Thallium | ND | 3.31 | " | | ND | | | | | 35 | |
| Vanadium | 25.0 | 1.32 | " | | 24.9 | | | | 0.274 | 35 | |
| Zinc | 193 | 3.31 | " | | 173 | | | | 10.9 | 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 BC91271 - EPA 3050B

Matrix Spike (BC91271-MS1) *Source sample: 19C1054-09 (WC-4B (6-12)) Prepared: 03/26/2019 Analyzed: 03/27/2019

| | | | | | | | | |
|-----------|-------|-------|-----------|------|-------|------|--------|-----------|
| Aluminum | 7780 | 6.61 | mg/kg dry | 265 | 7950 | NR | 75-125 | Low Bias |
| Antimony | 20.7 | 3.31 | " | 33.1 | ND | 62.6 | 75-125 | Low Bias |
| Arsenic | 268 | 1.98 | " | 265 | 6.05 | 98.9 | 75-125 | |
| Barium | 411 | 3.31 | " | 265 | 126 | 108 | 75-125 | |
| Beryllium | 6.33 | 0.066 | " | 6.61 | ND | 95.7 | 75-125 | |
| Cadmium | 7.08 | 0.397 | " | 6.61 | 0.422 | 101 | 75-125 | |
| Calcium | 12400 | 6.61 | " | 132 | 14900 | NR | 75-125 | Low Bias |
| Chromium | 42.2 | 0.661 | " | 26.5 | 18.4 | 90.1 | 75-125 | |
| Cobalt | 76.4 | 0.529 | " | 66.1 | 9.62 | 101 | 75-125 | |
| Copper | 105 | 2.65 | " | 33.1 | 56.9 | 145 | 75-125 | High Bias |
| Iron | 15200 | 33.1 | " | 132 | 17000 | NR | 75-125 | Low Bias |
| Lead | 306 | 0.661 | " | 66.1 | 296 | 16.1 | 75-125 | Low Bias |
| Magnesium | 3990 | 6.61 | " | 132 | 4290 | NR | 75-125 | Low Bias |
| Manganese | 381 | 0.661 | " | 66.1 | 335 | 68.9 | 75-125 | Low Bias |
| Nickel | 88.6 | 1.32 | " | 66.1 | 20.1 | 104 | 75-125 | |
| Potassium | 1860 | 6.61 | " | 132 | 1760 | 80.1 | 75-125 | |
| Selenium | 225 | 3.31 | " | 265 | ND | 85.2 | 75-125 | |
| Silver | 4.15 | 0.661 | " | 6.61 | ND | 62.8 | 75-125 | Low Bias |
| Sodium | 474 | 66.1 | " | 132 | 674 | NR | 75-125 | Low Bias |
| Thallium | 260 | 3.31 | " | 265 | ND | 98.4 | 75-125 | |
| Vanadium | 89.4 | 1.32 | " | 66.1 | 24.9 | 97.6 | 75-125 | |
| Zinc | 276 | 3.31 | " | 66.1 | 173 | 156 | 75-125 | High Bias |

Reference (BC91271-SRM1)

Prepared: 03/26/2019 Analyzed: 03/27/2019

| | | | | | | | | |
|-----------|-------|-------|-----------|-------|--|------|------------|--|
| Aluminum | 6250 | 5.00 | mg/kg wet | 8360 | | 74.7 | 50.2-149.5 | |
| Antimony | 87.8 | 2.50 | " | 89.6 | | 98.0 | 19.3-258.9 | |
| Arsenic | 207 | 1.50 | " | 202 | | 102 | 69.8-130.2 | |
| Barium | 271 | 2.50 | " | 270 | | 100 | 75.2-125.2 | |
| Beryllium | 105 | 0.050 | " | 96.8 | | 109 | 75-125 | |
| Cadmium | 162 | 0.300 | " | 141 | | 115 | 74.5-124.8 | |
| Calcium | 4720 | 5.00 | " | 4700 | | 100 | 72.6-127.7 | |
| Chromium | 165 | 0.500 | " | 167 | | 99.0 | 70.1-129.9 | |
| Cobalt | 195 | 0.400 | " | 174 | | 112 | 74.7-124.7 | |
| Copper | 113 | 2.00 | " | 108 | | 104 | 74.7-124.1 | |
| Iron | 10900 | 25.0 | " | 14700 | | 73.9 | 36.4-163.9 | |
| Lead | 75.2 | 0.500 | " | 73.8 | | 102 | 68.4-131.6 | |
| Magnesium | 2130 | 5.00 | " | 2310 | | 92.2 | 61.9-138.1 | |
| Manganese | 361 | 0.500 | " | 330 | | 109 | 75.2-124.8 | |
| Nickel | 112 | 1.00 | " | 89.4 | | 125 | 69.9-129.8 | |
| Potassium | 1880 | 5.00 | " | 2240 | | 83.7 | 60.7-139.7 | |
| Selenium | 39.4 | 2.50 | " | 49.9 | | 79.0 | 58.1-141.7 | |
| Silver | 65.4 | 0.500 | " | 71.1 | | 92.0 | 70.7-129.3 | |
| Sodium | 186 | 50.0 | " | 195 | | 95.5 | 45.5-154.4 | |
| Thallium | 63.9 | 2.50 | " | 58.5 | | 109 | 60.9-139.3 | |
| Vanadium | 50.1 | 1.00 | " | 58.2 | | 86.0 | 57.4-142.6 | |
| Zinc | 267 | 2.50 | " | 264 | | 101 | 70.1-130.3 | |



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

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

Batch BC91576 - EPA 3015A/1311

Blank (BC91576-BLK1)

Prepared: 03/29/2019 Analyzed: 04/01/2019

| | | | | | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|--|
| Arsenic | ND | 0.017 | mg/L | | | | | | | | |
| Barium | ND | 0.028 | " | | | | | | | | |
| Cadmium | ND | 0.003 | " | | | | | | | | |
| Chromium | ND | 0.006 | " | | | | | | | | |
| Lead | ND | 0.006 | " | | | | | | | | |
| Selenium | ND | 0.028 | " | | | | | | | | |
| Silver | ND | 0.006 | " | | | | | | | | |

LCS (BC91576-BS1)

Prepared: 03/29/2019 Analyzed: 04/01/2019

| | | | | | | | | | | | |
|----------|-------|-------|------|--------|--|------|--------|--|--|--|--|
| Arsenic | 2.09 | 0.017 | mg/L | 2.22 | | 94.0 | 80-120 | | | | |
| Barium | 2.26 | 0.028 | " | 2.22 | | 102 | 80-120 | | | | |
| Cadmium | 0.054 | 0.003 | " | 0.0556 | | 97.9 | 80-120 | | | | |
| Chromium | 0.217 | 0.006 | " | 0.222 | | 97.8 | 80-120 | | | | |
| Lead | 0.551 | 0.006 | " | 0.556 | | 99.1 | 80-120 | | | | |
| Selenium | 1.85 | 0.028 | " | 2.22 | | 83.4 | 80-120 | | | | |
| Silver | 0.055 | 0.006 | " | 0.0556 | | 98.4 | 80-120 | | | | |

Leach Fluid Blank (BC91576-LBK1)

Prepared: 03/29/2019 Analyzed: 04/01/2019

| | | | | | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|--|
| Arsenic | ND | 0.375 | mg/L | | | | | | | | |
| Barium | ND | 0.625 | " | | | | | | | | |
| Cadmium | ND | 0.075 | " | | | | | | | | |
| Chromium | ND | 0.125 | " | | | | | | | | |
| Lead | ND | 0.125 | " | | | | | | | | |
| Selenium | ND | 0.625 | " | | | | | | | | |
| Silver | ND | 0.125 | " | | | | | | | | |



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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---|-------------|-----------------|-----------|-------------|----------------|------|-------------|------|-----|---------------------------------|------|
| Batch BD90015 - EPA 7473 soil | | | | | | | | | | | |
| Blank (BD90015-BLK1) | | | | | | | | | | Prepared & Analyzed: 04/01/2019 | |
| Mercury | ND | 0.0300 | mg/kg wet | | | | | | | | |
| Reference (BD90015-SRM1) | | | | | | | | | | Prepared & Analyzed: 04/01/2019 | |
| Mercury | 3.6751 | | mg/kg | 3.71 | | 99.1 | 65-135 | | | | |
| Batch BD90016 - EPA 7473 water | | | | | | | | | | | |
| Blank (BD90016-BLK1) | | | | | | | | | | Prepared & Analyzed: 04/01/2019 | |
| Mercury | ND | 0.00020000 | mg/L | | | | | | | | |
| Duplicate (BD90016-DUP1) | | | | | | | | | | Prepared & Analyzed: 04/01/2019 | |
| *Source sample: 19C1054-09 (WC-4B (6-12)) | | | | | | | | | | | |
| Mercury | ND | 0.00020000 | mg/L | | ND | | | | | | 20 |
| Leach Fluid Blank (BD90016-LBK1) | | | | | | | | | | Prepared & Analyzed: 04/01/2019 | |
| Mercury | 0.000060200 | 0.00020000 | mg/L | | | | | | | | |
| Matrix Spike (BD90016-MS1) | | | | | | | | | | Prepared & Analyzed: 04/01/2019 | |
| *Source sample: 19C1054-09 (WC-4B (6-12)) | | | | | | | | | | | |
| Mercury | 0.011013 | | mg/L | 0.0100 | 0.0000 | 110 | 75-125 | | | | |
| Reference (BD90016-SRM1) | | | | | | | | | | Prepared & Analyzed: 04/01/2019 | |
| Mercury | 0.0095026 | | mg/L | 0.0100 | | 95.0 | 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 BC91266 - EPA SW846-3060 | | | | | | | | | | | |
| Blank (BC91266-BLK1) | | | | | | | | | | Prepared & Analyzed: 03/26/2019 | |
| Chromium, Hexavalent | ND | 0.500 | mg/kg wet | | | | | | | | |
| Duplicate (BC91266-DUP1) *Source sample: 19C1054-09 (WC-4B (6-12)) | | | | | | | | | | Prepared & Analyzed: 03/26/2019 | |
| Chromium, Hexavalent | ND | 0.661 | mg/kg dry | | ND | | | | | | 35 |
| Matrix Spike (BC91266-MS1) *Source sample: 19C1054-09 (WC-4B (6-12)) | | | | | | | | | | Prepared & Analyzed: 03/26/2019 | |
| Chromium, Hexavalent | ND | 0.661 | mg/kg dry | 26.5 | ND | | 75-125 | Low Bias | | | |
| Reference (BC91266-SRM1) | | | | | | | | | | Prepared & Analyzed: 03/26/2019 | |
| Chromium, Hexavalent | 67.4 | | mg/L | 71.8 | | 93.9 | 18.8-206.1 | | | | |
| Batch BC91268 - Analysis Preparation | | | | | | | | | | | |
| Duplicate (BC91268-DUP1) *Source sample: 19C1054-03 (WC-2A (0-6)) | | | | | | | | | | Prepared & Analyzed: 03/26/2019 | |
| pH | 8.21 | 0.500 | pH units | | 8.32 | | | | 1.33 | | 10 |
| Temperature | 20.4 | 1.00 | °C | | 20.2 | | | | 0.985 | | 200 |
| Batch BC91323 - EPA SW 846-1311 TCLP ZHE for VOA | | | | | | | | | | | |
| Blank (BC91323-BLK1) | | | | | | | | | | Prepared: 03/26/2019 Analyzed: 03/27/2019 | |
| TCLP Extraction | Completed | 1.00 | N/A | | | | | | | | |
| Batch BC91362 - EPA SW846-3060 | | | | | | | | | | | |
| Blank (BC91362-BLK1) | | | | | | | | | | Prepared & Analyzed: 03/27/2019 | |
| Chromium, Hexavalent | ND | 0.500 | mg/kg wet | | | | | | | | |



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 BC91362 - EPA SW846-3060 | | | | | | | | | | | |
| Reference (BC91362-SRM1) | | | | | | | | | | Prepared & Analyzed: 03/27/2019 | |
| Chromium, Hexavalent | 87.9 | | mg/L | 71.8 | | 122 | 18.8-206.1 | | | | |
| Batch BC91414 - EPA SW 846-1311 TCLP ZHE for VOA | | | | | | | | | | | |
| Leach Fluid Blank (BC91414-LBK1) | | | | | | | | | | Prepared: 03/27/2019 Analyzed: 03/28/2019 | |
| TCLP Extraction | Completed | 1.00 | N/A | | | | | | | | |
| Batch BC91428 - Analysis Preparation Soil | | | | | | | | | | | |
| Blank (BC91428-BLK1) | | | | | | | | | | Prepared & Analyzed: 03/28/2019 | |
| Cyanide, total | ND | 0.500 | mg/kg wet | | | | | | | | |
| Reference (BC91428-SRM1) | | | | | | | | | | Prepared & Analyzed: 03/28/2019 | |
| Cyanide, total | 41.8 | | ug/mL | 41.4 | | 101 | 34.3-167 | | | | |
| Batch BC91499 - EPA SW 846-1311 TCLP extr. for SVOA/PEST/HERBS | | | | | | | | | | | |
| Blank (BC91499-BLK1) | | | | | | | | | | Prepared: 03/28/2019 Analyzed: 03/29/2019 | |
| TCLP Extraction | Completed | 1.00 | N/A | | | | | | | | |
| Batch BC91500 - EPA SW 846-1311 TCLP ext. for metals | | | | | | | | | | | |
| Blank (BC91500-BLK1) | | | | | | | | | | Prepared: 03/28/2019 Analyzed: 03/29/2019 | |
| TCLP Extraction | Completed | 1.00 | N/A | | | | | | | | |



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 BC91504 - Analysis Preparation Soil | | | | | | | | | | | |
| Blank (BC91504-BLK1) | | | | | | | | | | | Prepared & Analyzed: 03/29/2019 |
| Cyanide, total | ND | 0.500 | mg/kg wet | | | | | | | | |
| Reference (BC91504-SRM1) | | | | | | | | | | | Prepared & Analyzed: 03/29/2019 |
| Cyanide, total | 41.8 | | ug/mL | 41.4 | | 101 | 34.3-167 | | | | |
| Batch BD90012 - Analysis Preparation | | | | | | | | | | | |
| Blank (BD90012-BLK1) | | | | | | | | | | | Prepared & Analyzed: 04/01/2019 |
| Reactivity - Cyanide | ND | 0.250 | mg/kg | | | | | | | | |
| Batch BD90013 - Analysis Preparation | | | | | | | | | | | |
| Blank (BD90013-BLK1) | | | | | | | | | | | Prepared & Analyzed: 04/01/2019 |
| Reactivity - Sulfide | ND | 15.0 | mg/kg | | | | | | | | |



Volatile Analysis Sample Containers

| Lab ID | Client Sample ID | Volatile Sample Container |
|------------|------------------|---|
| 19C1054-01 | WC-1A (0-6) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1054-01 | WC-1A (0-6) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1054-02 | WC-1B (6-12) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1054-02 | WC-1B (6-12) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1054-03 | WC-2A (0-6) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1054-03 | WC-2A (0-6) | 40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C |
| 19C1054-04 | WC-2B (6-12) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1054-04 | WC-2B (6-12) | 40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C |
| 19C1054-05 | WC-3A (0-6) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1054-05 | WC-3A (0-6) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1054-06 | WC-3B (6-12) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1054-06 | WC-3B (6-12) | 40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C |
| 19C1054-07 | WC-8 (12-16) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1054-07 | WC-8 (12-16) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1054-08 | WC-4A (0-6) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1054-08 | WC-4A (0-6) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1054-09 | WC-4B (6-12) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1054-09 | WC-4B (6-12) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1054-10 | Trip Blank | 40mL Clear Vial (pre-pres.) HCl; Cool to 4° C |



Sample and Data Qualifiers Relating to This Work Order

| | |
|----------|---|
| M-ICV2 | The recovery for this element in the ICV was outside the 90-110% recovery criteria. |
| EXT-COMP | Completed |
| EXT-EM | The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries. |
| EXT-Temp | Extraction temperature slightly exceeded acceptance range. |
| IGN-01 | Non-Ignit. |
| 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). |
| M-DUPS | The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity |
| S-GC | Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable. |
| M-SPKM | The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference. |
| M-SRD1 | The serial dilution for this element was outside control limits. |
| QL-02 | This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| QR-04 | The RPD exceeded control limits for the LCS/LCSD QC. |
| M-CRL | The RL check for this element recovered outside of control limits. |

Definitions and Other Explanations

| | |
|-------------|--|
| * | Analyte is not certified or the state of the samples origination does not offer certification for the Analyte. |
| ND | NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL) |
| RL | REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve. |
| LOQ | LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses. |
| LOD | LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846. |
| MDL | METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods. |
| Reported to | This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only. |
| NR | Not reported |
| RPD | Relative Percent Difference |
| Wet | The data has been reported on an as-received (wet weight) basis |



- Low Bias** Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir.** Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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YORK
 ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

YORK Project No.
 19C1054

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 Engineering | Company: | SAME | Company: | SAME | 100765101 | | RUSH - Next Day | |
| Address: | 300 Kimball Drive | Address: | SAME | Address: | SAME | 280 West 155th St | | RUSH - Two Day | |
| Phone: | 973.568.4900 | Phone: | | Phone: | | | | RUSH - Three Day | |
| Contact: | M. Oleske | Contact: | | Contact: | | | | RUSH - Four Day | |
| E-mail: | m.oleske@langan.com | E-mail: | | E-mail: | | | | Standard (5-7 Day) | X |

YOUR PO#:

| Matrix Codes | Samples From | Report / EDD Type (circle selections) | YORK Reg. Comp. |
|---------------------|--------------|---------------------------------------|---|
| S - soil / solid | New York | Summary Report | Compared to the following Regulation(s): (please fill in) |
| GW - groundwater | New Jersey | QA Report | UICs, Part 375 |
| DW - drinking water | Connecticut | NY ASP A Package | NJDEP, USEPA |
| WW - wastewater | Pennsylvania | NY ASP B Package | Haz |
| O - Oil / Other | Other | Other: | |

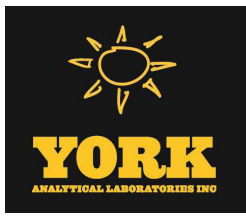
| Sample Identification | Sample Matrix | Date/Time Sampled | Analysis Requested | Container Description |
|-----------------------|---------------|-------------------|--|-----------------------|
| WC-1A (0-6) | S | 3.25.19 830 | VOCs, NOCs, Pest, Herb, PCBs, TAL metals + | 20 gal. VC set |
| WC-1B (6-12) | | 835 | Hx Cr (pyridine, EPH spiked), Full TCLP, BCB | |
| WC-2A (0-6) | | 930 | Haz Waste Char. | |
| WC-2B (6-12) | | 936 | | |
| WC-3A (0-6) | | 1120 | | |
| WC-3B (6-12) | | 1125 | | |
| WC-7 (12-16) | | 1330 | | |
| WC-4A (0-6) | | 1420 | | |
| WC-4B (6-12) | | 1425 | | |
| Trip Blank | Ag | | | 2 VOFS |

Comments:
 *EPH spiked for fractionation

| Preservation: (check all that apply) | Special Instruction |
|--|------------------------------|
| HCl <input type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> | Field Filtered Lab to Filter |
| Ascorbic Acid <input type="checkbox"/> Other: <input type="checkbox"/> | |

| Samples Relinquished by / Company | Date/Time | Samples Relinquished by / Company | Date/Time |
|-----------------------------------|--------------|-----------------------------------|---------------|
| Hannah Giesbach | 3.25.19 1610 | Mary Mrazica | 3/25/19 16:10 |
| | | Mary Mrazica | 3/25/19 19:24 |
| | | | |

| Samples Relinquished by / Company | Date/Time | Samples Received in LAB by | Date/Time | Temp. Received at Lab |
|-----------------------------------|-----------|----------------------------|---------------|-----------------------|
| | | 79 gal | 3-25-19 19:24 | 2.6 |



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive, 4th Floor

Parsipanny NJ, 07054-2172

Attention: Matt Oleske

Report Date: 04/05/2019

Client Project ID: 100765101

York Project (SDG) No.: 19C1079



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/05/2019
Client Project ID: 100765101
York Project (SDG) No.: 19C1079

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

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 March 26, 2019 and listed below. The project was identified as your project: **100765101**.

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> |
|-----------------------|-------------------------|---------------|-----------------------|----------------------|
| 19C1079-01 | WC-5A (0-6) | Soil | 03/26/2019 | 03/26/2019 |
| 19C1079-02 | WC-5B (6-12) | Soil | 03/26/2019 | 03/26/2019 |
| 19C1079-03 | WC-6A (0-6) | Soil | 03/26/2019 | 03/26/2019 |
| 19C1079-04 | WC-6B (6-12) | Soil | 03/26/2019 | 03/26/2019 |
| 19C1079-05 | WC-7A (0-6) | Soil | 03/26/2019 | 03/26/2019 |
| 19C1079-06 | WC-7B (6-12) | Soil | 03/26/2019 | 03/26/2019 |
| 19C1079-07 | Dup_3.26.19 | Soil | 03/26/2019 | 03/26/2019 |
| 19C1079-08 | Trip Blank | Water | 03/26/2019 | 03/26/2019 |
| 19C1079-09 | FB_3.26.19 | Water | 03/26/2019 | 03/26/2019 |
| 19C1079-10 | Trip Blank | Water | 03/26/2019 | 03/26/2019 |

General Notes for York Project (SDG) No.: 19C1079

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: 04/05/2019





Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:50 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 8:50 am

03/26/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 123-91-1 | 1,4-Dioxane | ND | | mg/kg dry | 0.053 | 0.11 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 78-93-3 | 2-Butanone | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 67-64-1 | Acetone | 0.017 | | mg/kg dry | 0.0053 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0053 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 8:50 am

03/26/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|--------------------------------|--------------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-09-2 | Methylene chloride | 0.027 | | mg/kg dry | 0.0053 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0053 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:50 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 127-18-4 | Tetrachloroethylene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0026 | 0.0053 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0079 | 0.016 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 11:00 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 116 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 102 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 109 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 8:50 am

03/26/2019

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:30 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 99.9 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 98.2 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 103 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.486 | 0.971 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.486 | 0.971 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.486 | 0.971 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 8:50 am

03/26/2019

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 91-57-6 | 2-Methylnaphthalene | 0.253 | J | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.486 | 0.971 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.486 | 0.971 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.486 | 0.971 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.486 | 0.971 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.486 | 0.971 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 83-32-9 | Acenaphthene | 0.462 | J | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 208-96-8 | Acenaphthylene | 8.06 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.973 | 1.95 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 8:50 am

03/26/2019

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 3.08 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.973 | 1.95 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 56-55-3 | Benzo(a)anthracene | 8.43 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 50-32-8 | Benzo(a)pyrene | 14.1 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 205-99-2 | Benzo(b)fluoranthene | 12.7 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 191-24-2 | Benzo(g,h,i)perylene | 12.8 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 207-08-9 | Benzo(k)fluoranthene | 13.0 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.486 | 0.971 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 86-74-8 | Carbazole | 1.04 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 218-01-9 | Chrysene | 13.0 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 53-70-3 | Dibenzo(a,h)anthracene | 3.19 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 132-64-9 | Dibenzofuran | 0.474 | J | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:50 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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 | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 206-44-0 | Fluoranthene | 20.8 | | mg/kg dry | 0.487 | 0.972 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:09 | OW |
| 86-73-7 | Fluorene | 1.06 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 13.4 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 91-20-3 | Naphthalene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 85-01-8 | Phenanthrene | 13.3 | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.244 | 0.486 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |
| 129-00-0 | Pyrene | 20.5 | | mg/kg dry | 0.487 | 0.972 | 20 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:09 | OW |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.973 | 1.95 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 17:54 | OW |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:50 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 78.0 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 75.8 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 80.4 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 83.2 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 93.2 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 78.8 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 19:26 | OW |

| | Surrogate Recoveries | Result | Acceptance Range |
|-----------|---------------------------------------|--------|------------------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 45.3 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 32.5 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 59.9 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 67.7 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 74.0 % | 23-163 |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:50 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 75.0 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|-----------------------|-----------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:20 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:20 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:20 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:20 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:20 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:20 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 18:20 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 74.1 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 63.5 % | | | 30-150 | | | | | | |

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 | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:50 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-------------------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0382 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00191 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.00955 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.0967 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:09 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 54.7 % | | | 30-150 | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 35.5 % | | | 30-150 | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0193 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:21 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0193 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:21 | SR |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 8:50 am

03/26/2019

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0193 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:21 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0193 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:21 | SR |
| 12672-29-6 | Aroclor 1248 | 0.0425 | | mg/kg dry | 0.0193 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:21 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0193 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:21 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0193 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:21 | SR |
| 1336-36-3 | * Total PCBs | 0.0425 | | mg/kg dry | 0.0193 | 1 | EPA 8082A Certifications: | 04/02/2019 09:17 | 04/03/2019 15:21 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 65.0 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 76.5 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 10:03 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 10:03 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (| 82.0 % | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0231 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 15:35 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0231 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 15:35 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0231 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 15:35 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (| 83.4 % | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:50 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 670 | | mg/kg dry | 56.2 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 04/02/2019 14:40 | 04/02/2019 20:14 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 67.5 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 62.0 % | | | | | 40-140 | | | |

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 | 6790 | | mg/kg dry | 5.85 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 2.92 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-38-2 | Arsenic | 2.79 | | mg/kg dry | 1.75 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-39-3 | Barium | 145 | | mg/kg dry | 2.92 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.058 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-43-9 | Cadmium | 0.920 | | mg/kg dry | 0.351 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-70-2 | Calcium | 15000 | | mg/kg dry | 5.85 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-47-3 | Chromium | 16.5 | | mg/kg dry | 0.585 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-48-4 | Cobalt | 7.17 | | mg/kg dry | 0.468 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-50-8 | Copper | 38.8 | | mg/kg dry | 2.34 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7439-89-6 | Iron | 11300 | | mg/kg dry | 29.2 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7439-92-1 | Lead | 261 | | mg/kg dry | 0.585 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7439-95-4 | Magnesium | 5900 | | mg/kg dry | 5.85 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7439-96-5 | Manganese | 664 | | mg/kg dry | 0.585 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-02-0 | Nickel | 33.2 | | mg/kg dry | 1.17 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-09-7 | Potassium | 1190 | B | mg/kg dry | 5.85 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 8:50 am

03/26/2019

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 | ND | | mg/kg dry | 2.92 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.585 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-23-5 | Sodium | 329 | | mg/kg dry | 58.5 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 2.92 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-62-2 | Vanadium | 24.2 | | mg/kg dry | 1.17 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |
| 7440-66-6 | Zinc | 250 | | mg/kg dry | 2.92 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:39 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------|--------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:00 | KML |
| 7440-39-3 | Barium | 0.635 | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:00 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:00 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:00 | KML |
| 7439-92-1 | Lead | 0.584 | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:00 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:00 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:00 | KML |

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|----------------|-------------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 7439-97-6 | Mercury | 1.33 | | mg/kg dry | 0.0351 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/02/2019 08:52 | 04/02/2019 09:35 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:50 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 10:01 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/28/2019 17:03 | 03/28/2019 17:27 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| | * % Solids | 85.5 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 14:48 | 04/01/2019 17:01 | MAC |

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 | 0.585 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/27/2019 08:58 | 03/27/2019 16:42 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 8.53 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.585 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-5A (0-6)

York Sample ID: 19C1079-01

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:50 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:13 | 03/29/2019 11:24 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 20.8 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 123-91-1 | 1,4-Dioxane | ND | | mg/kg dry | 0.058 | 0.12 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 78-93-3 | 2-Butanone | 0.017 | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 67-64-1 | Acetone | 0.053 | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

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|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|--------------------------------|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

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|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 127-18-4 | Tetrachloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0087 | 0.017 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 11:54 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SURRE: 1,2-Dichloroethane-d4 | 120 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SURRE: Toluene-d8 | 110 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SURRE: p-Bromofluorobenzene | 122 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

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|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 00:57 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 99.1 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 98.2 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 104 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.268 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 91-57-6 | 2-Methylnaphthalene | 0.112 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 83-32-9 | Acenaphthene | 2.01 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 208-96-8 | Acenaphthylene | 0.666 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.220 | 0.439 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 8:55 am

03/26/2019

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 4.02 | | mg/kg dry | 0.275 | 0.548 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:40 | OW |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.220 | 0.439 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 56-55-3 | Benzo(a)anthracene | 4.85 | | mg/kg dry | 0.275 | 0.548 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:40 | OW |
| 50-32-8 | Benzo(a)pyrene | 5.34 | | mg/kg dry | 0.275 | 0.548 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:40 | OW |
| 205-99-2 | Benzo(b)fluoranthene | 3.98 | | mg/kg dry | 0.275 | 0.548 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:40 | OW |
| 191-24-2 | Benzo(g,h,i)perylene | 3.18 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 207-08-9 | Benzo(k)fluoranthene | 3.69 | | mg/kg dry | 0.275 | 0.548 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:40 | OW |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 86-74-8 | Carbazole | 0.730 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 218-01-9 | Chrysene | 4.81 | | mg/kg dry | 0.275 | 0.548 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:40 | OW |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.02 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 132-64-9 | Dibenzofuran | 1.68 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 8:55 am

03/26/2019

Semi-Volatiles, 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 | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 206-44-0 | Fluoranthene | 14.3 | | mg/kg dry | 0.275 | 0.548 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:40 | OW |
| 86-73-7 | Fluorene | 2.65 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 3.44 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 91-20-3 | Naphthalene | 0.332 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 85-01-8 | Phenanthrene | 14.7 | | mg/kg dry | 0.275 | 0.548 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:40 | OW |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |
| 129-00-0 | Pyrene | 10.7 | | mg/kg dry | 0.275 | 0.548 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 08:40 | OW |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.220 | 0.439 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:25 | OW |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 73.7 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 73.0 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 73.8 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 66.7 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 81.5 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 66.1 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 106-47-8 | 4-Chloroaniline | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 20:14 | OW |

Surrogate Recoveries

Result

Acceptance Range

| | | | |
|-----------|----------------------------------|--------|----------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 47.5 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 32.4 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 62.2 % | 19.2-141 |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------------------------------|--------|------|-------|---------------------|-----|----------|------------------|--------------------|--------------------|---------|
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 69.4 % | | | 24.8-127 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 78.1 % | | | 23-163 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 68.8 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------------|--------|------|-------|---------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:35 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:35 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:35 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:35 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:35 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:35 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 18:35 | CM |

Surrogate Recoveries

Result

Acceptance Range

| | | | | | |
|-----------|---------------------------------|--------|--|--|--------|
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 66.7 % | | | 30-150 |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 51.1 % | | | 30-150 |

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 | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0434 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00217 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0108 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.110 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:24 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 101 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 31.4 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0219 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:34 | SR |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0219 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:34 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0219 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:34 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0219 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:34 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0219 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:34 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0219 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:34 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0219 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:34 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0219 | 1 | EPA 8082A Certifications: | 04/02/2019 09:17 | 04/03/2019 15:34 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 55.0 % | | | | | 30-140 | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 47.0 % | | | | | 30-140 | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 10:15 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 10:15 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 119 % | | | | | | 30-150 | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0259 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 15:47 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0259 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 15:47 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0259 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 15:47 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 107 % | | | | | | 30-150 | | | |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 333 | | mg/kg dry | 63.8 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 04/02/2019 14:40 | 04/02/2019 20:43 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 56.3 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 52.7 % | | | | | 40-140 | | | |

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 | 12900 | | mg/kg dry | 6.64 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.32 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-38-2 | Arsenic | 2.36 | | mg/kg dry | 1.99 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-39-3 | Barium | 171 | | mg/kg dry | 3.32 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.066 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.398 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-70-2 | Calcium | 2480 | | mg/kg dry | 6.64 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-47-3 | Chromium | 25.1 | | mg/kg dry | 0.664 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-48-4 | Cobalt | 16.0 | | mg/kg dry | 0.531 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-50-8 | Copper | 50.9 | | mg/kg dry | 2.65 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7439-89-6 | Iron | 22400 | | mg/kg dry | 33.2 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7439-92-1 | Lead | 78.1 | | mg/kg dry | 0.664 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7439-95-4 | Magnesium | 5840 | | mg/kg dry | 6.64 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7439-96-5 | Manganese | 169 | | mg/kg dry | 0.664 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-02-0 | Nickel | 28.3 | | mg/kg dry | 1.33 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-09-7 | Potassium | 6700 | B | mg/kg dry | 6.64 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

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 | ND | | mg/kg dry | 3.32 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.664 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-23-5 | Sodium | 337 | | mg/kg dry | 66.4 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.32 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-62-2 | Vanadium | 34.7 | | mg/kg dry | 1.33 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |
| 7440-66-6 | Zinc | 81.6 | | mg/kg dry | 3.32 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:41 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------|--------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:03 | KML |
| 7440-39-3 | Barium | 0.727 | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:03 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:03 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:03 | KML |
| 7439-92-1 | Lead | 1.61 | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:03 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:03 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:03 | 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 | 0.658 | | mg/kg dry | 0.0398 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/02/2019 08:52 | 04/02/2019 09:48 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 10:12 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/28/2019 17:03 | 03/28/2019 17:27 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| | * % Solids | 75.4 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 14:48 | 04/01/2019 17:01 | MAC |

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 | 0.664 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/27/2019 08:58 | 03/27/2019 16:42 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 7.73 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.664 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-5B (6-12)

York Sample ID: 19C1079-02

| | | | | |
|--|---------------------------------------|-----------------------|---|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 8:55 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|---|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:13 | 03/29/2019 11:24 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 20.7 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:10 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 10:10 am

03/26/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|---------------|----------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 123-91-1 | 1,4-Dioxane | ND | | mg/kg dry | 0.052 | 0.10 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 78-93-3 | 2-Butanone | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 67-64-1 | Acetone | 0.0056 | J | mg/kg dry | 0.0052 | 0.010 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0052 | 0.010 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 10:10 am

03/26/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|--------------------------------|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.0052 | 0.010 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0052 | 0.010 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:10 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------------|---------------|-------------------------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 127-18-4 | Tetrachloroethylene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0026 | 0.0052 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0079 | 0.016 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 12:21 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SRR: 1,2-Dichloroethane-d4 | 113 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SRR: Toluene-d8 | 102 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SRR: p-Bromofluorobenzene | 108 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 10:10 am

03/26/2019

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:23 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 103 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 99.9 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 110 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.0985 | 0.197 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.0985 | 0.197 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.0985 | 0.197 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 10:10 am

03/26/2019

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 91-57-6 | 2-Methylnaphthalene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.0985 | 0.197 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.0985 | 0.197 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.0985 | 0.197 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.0985 | 0.197 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.0985 | 0.197 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 83-32-9 | Acenaphthene | 0.111 | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 208-96-8 | Acenaphthylene | 0.766 | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.197 | 0.395 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 10:10 am

03/26/2019

Semi-Volatiles, 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 |
|-----------|-----------------------------------|---------------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 1.12 | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.197 | 0.395 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 56-55-3 | Benzo(a)anthracene | 3.78 | | mg/kg dry | 0.247 | 0.493 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:11 | OW |
| 50-32-8 | Benzo(a)pyrene | 5.17 | | mg/kg dry | 0.247 | 0.493 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:11 | OW |
| 205-99-2 | Benzo(b)fluoranthene | 4.10 | | mg/kg dry | 0.247 | 0.493 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:11 | OW |
| 191-24-2 | Benzo(g,h,i)perylene | 4.72 | | mg/kg dry | 0.247 | 0.493 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:11 | OW |
| 207-08-9 | Benzo(k)fluoranthene | 3.71 | | mg/kg dry | 0.247 | 0.493 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:11 | OW |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.161 | B | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.0985 | 0.197 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 86-74-8 | Carbazole | 0.146 | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 218-01-9 | Chrysene | 3.77 | | mg/kg dry | 0.247 | 0.493 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:11 | OW |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.34 | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 132-64-9 | Dibenzofuran | 0.0866 | J | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:10 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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 | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 206-44-0 | Fluoranthene | 7.99 | | mg/kg dry | 0.247 | 0.493 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:11 | OW |
| 86-73-7 | Fluorene | 0.0788 | J | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 4.59 | | mg/kg dry | 0.247 | 0.493 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:11 | OW |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 91-20-3 | Naphthalene | 0.0835 | J | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 85-01-8 | Phenanthrene | 4.03 | | mg/kg dry | 0.247 | 0.493 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:11 | OW |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.0494 | 0.0985 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |
| 129-00-0 | Pyrene | 6.25 | | mg/kg dry | 0.247 | 0.493 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:11 | OW |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.197 | 0.395 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 18:56 | OW |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:10 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 56.2 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 59.7 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 63.5 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 57.0 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 78.8 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 53.9 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:02 | OW |

| | Surrogate Recoveries | Result | Acceptance Range |
|-----------|---------------------------------------|--------|------------------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 54.5 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 38.6 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 70.1 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 80.2 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 88.6 % | 23-163 |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:10 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 80.2 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|-----------------------|-----------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:50 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:50 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:50 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:50 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:50 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 18:50 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 18:50 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 66.3 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 60.9 % | | | 30-150 | | | | | | |

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 | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 10:10 am

03/26/2019

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0391 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00195 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.00977 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.0989 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:38 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 50.7 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 34.7 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 04/02/2019 09:17 | 04/03/2019 15:48 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:48 | SR |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 10:10 am

03/26/2019

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:48 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:48 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:48 | SR |
| 11097-69-1 | Aroclor 1254 | 0.159 | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:48 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 15:48 | SR |
| 1336-36-3 | * Total PCBs | 0.159 | | mg/kg dry | 0.0197 | 1 | EPA 8082A Certifications: | 04/02/2019 09:17 | 04/03/2019 15:48 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 61.0 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 69.5 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 10:28 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 10:28 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 113 % | | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0239 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:00 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0239 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:00 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0239 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:00 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 104 % | | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:10 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 267 | | mg/kg dry | 59.4 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 04/02/2019 14:40 | 04/02/2019 21:11 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 67.0 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 63.7 % | | | | | 40-140 | | | |

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 | 7580 | | mg/kg dry | 6.00 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.00 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-38-2 | Arsenic | 7.19 | | mg/kg dry | 1.80 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-39-3 | Barium | 96.2 | | mg/kg dry | 3.00 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.060 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-43-9 | Cadmium | 0.424 | | mg/kg dry | 0.360 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-70-2 | Calcium | 8670 | | mg/kg dry | 6.00 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-47-3 | Chromium | 17.4 | | mg/kg dry | 0.600 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-48-4 | Cobalt | 9.96 | | mg/kg dry | 0.480 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-50-8 | Copper | 53.3 | | mg/kg dry | 2.40 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7439-89-6 | Iron | 17400 | | mg/kg dry | 30.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7439-92-1 | Lead | 490 | | mg/kg dry | 0.600 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7439-95-4 | Magnesium | 2470 | | mg/kg dry | 6.00 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7439-96-5 | Manganese | 335 | | mg/kg dry | 0.600 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-02-0 | Nickel | 17.8 | | mg/kg dry | 1.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-09-7 | Potassium | 1230 | B | mg/kg dry | 6.00 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:10 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | ND | | mg/kg dry | 3.00 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.600 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-23-5 | Sodium | 391 | | mg/kg dry | 60.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.00 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-62-2 | Vanadium | 23.7 | | mg/kg dry | 1.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |
| 7440-66-6 | Zinc | 288 | | mg/kg dry | 3.00 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:43 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:05 | KML |
| 7440-39-3 | Barium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:05 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:05 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:05 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:05 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:05 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:05 | 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 | 0.0360 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/02/2019 08:52 | 04/02/2019 10:00 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:10 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 10:23 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/28/2019 17:03 | 03/28/2019 17:27 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| | * % Solids | 83.3 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 14:48 | 04/01/2019 17:01 | MAC |

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 | 0.600 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/27/2019 08:58 | 03/27/2019 16:42 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 8.13 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.600 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-6A (0-6)

York Sample ID: 19C1079-03

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:10 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:13 | 03/29/2019 11:24 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 20.7 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | 0.055 | 0.11 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 78-93-3 | 2-Butanone | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 67-64-1 | Acetone | 0.017 | | mg/kg dry | 0.0055 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0055 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|--------------------------------|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.0055 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0055 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 127-18-4 | Tetrachloroethylene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0028 | 0.0055 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0083 | 0.017 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 12:47 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 111 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 106 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 114 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/29/2019 12:30 | 03/30/2019 01:50 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 101 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 105 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 103 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|---------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 91-57-6 | 2-Methylnaphthalene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 83-32-9 | Acenaphthene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 208-96-8 | Acenaphthylene | 0.0763 | J | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.220 | 0.440 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 0.0728 | J | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.220 | 0.440 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 56-55-3 | Benzo(a)anthracene | 0.312 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 50-32-8 | Benzo(a)pyrene | 0.473 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 205-99-2 | Benzo(b)fluoranthene | 0.379 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 191-24-2 | Benzo(g,h,i)perylene | 0.416 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 207-08-9 | Benzo(k)fluoranthene | 0.336 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.110 | 0.219 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 86-74-8 | Carbazole | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 218-01-9 | Chrysene | 0.312 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.138 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 132-64-9 | Dibenzofuran | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 10:15 am

03/26/2019

Semi-Volatiles, 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 | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 206-44-0 | Fluoranthene | 0.477 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 86-73-7 | Fluorene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.462 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 91-20-3 | Naphthalene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 85-01-8 | Phenanthrene | 0.168 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 129-00-0 | Pyrene | 0.431 | | mg/kg dry | 0.0550 | 0.110 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.220 | 0.440 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:26 | OW |

Surrogate Recoveries

Result

Acceptance Range





Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 67.2 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 66.9 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 68.0 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 67.4 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 80.0 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 59.8 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 21:51 | OW |

Surrogate Recoveries

Result

Acceptance Range

| | | | |
|-----------|---------------------------------------|--------|----------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 50.4 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 35.2 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 65.3 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 74.4 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 79.5 % | 23-163 |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 77.8 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:05 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:05 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:05 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:05 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:05 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:05 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 19:05 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 70.3 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 65.8 % | | | 30-150 | | | | | | |

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 | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------------------------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0415 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00208 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0104 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.105 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:00 | CM |
| Surrogate Recoveries | | Result | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 26.8 % | S-GC | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 52.6 % | | 30-150 | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0210 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:01 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0210 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:01 | SR |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0210 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:01 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0210 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:01 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0210 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:01 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0210 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:01 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0210 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:01 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0210 | 1 | EPA 8082A Certifications: | 04/02/2019 09:17 | 04/03/2019 16:01 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 40.5 % | | | | | 30-140 | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 46.5 % | | | | | 30-140 | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 10:41 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 10:41 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 105 % | | | | | | 30-150 | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0255 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 13:14 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0255 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 13:14 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0255 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 13:14 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 105 % | | | | | | 30-150 | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | ND | | mg/kg dry | 61.5 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 04/02/2019 14:40 | 04/02/2019 21:39 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 56.5 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 51.4 % | | | | | 40-140 | | | |

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 | 8410 | | mg/kg dry | 6.40 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-38-2 | Arsenic | 9.71 | | mg/kg dry | 1.92 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-39-3 | Barium | 130 | | mg/kg dry | 3.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.064 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-43-9 | Cadmium | 0.541 | | mg/kg dry | 0.384 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-70-2 | Calcium | 11900 | | mg/kg dry | 6.40 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-47-3 | Chromium | 16.5 | | mg/kg dry | 0.640 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-48-4 | Cobalt | 16.1 | | mg/kg dry | 0.512 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-50-8 | Copper | 77.3 | | mg/kg dry | 2.56 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7439-89-6 | Iron | 33600 | | mg/kg dry | 32.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7439-92-1 | Lead | 522 | | mg/kg dry | 0.640 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7439-95-4 | Magnesium | 6420 | | mg/kg dry | 6.40 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7439-96-5 | Manganese | 226 | | mg/kg dry | 0.640 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-02-0 | Nickel | 23.6 | | mg/kg dry | 1.28 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-09-7 | Potassium | 2270 | B | mg/kg dry | 6.40 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | ND | | mg/kg dry | 3.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.640 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-23-5 | Sodium | 304 | | mg/kg dry | 64.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-62-2 | Vanadium | 33.1 | | mg/kg dry | 1.28 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |
| 7440-66-6 | Zinc | 157 | | mg/kg dry | 3.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:46 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|---------------|--------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:08 | KML |
| 7440-39-3 | Barium | 0.817 | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:08 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:08 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:08 | KML |
| 7439-92-1 | Lead | 1.27 | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:08 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:08 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:08 | 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 | 0.586 | | mg/kg dry | 0.0384 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/02/2019 08:52 | 04/02/2019 10:08 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 | 04/01/2019 09:05 | 04/01/2019 10:34 | SY |
| Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | | | | | | | | | | |

Ignitability

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 |
|-----------------|----------------|------------|------|-------|-----------------|----------|------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P | 03/28/2019 17:03 | 03/28/2019 17:27 | AA |
| Certifications: | | | | | | | | | | |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------|------------|--------|------|-------|-----------------|----------|------------------|--------------------|--------------------|---------|
| solids | * % Solids | 78.2 | | % | 0.100 | 1 | SM 2540G | 04/01/2019 14:48 | 04/01/2019 17:01 | MAC |
| 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 | 0.640 | 1 | EPA 7196A | 03/27/2019 08:58 | 03/27/2019 16:42 | MAC |
| Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | | | | | | | | | | |

Corrosivity by SM 4500/EPA 9045D

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 |
|---|-----------|--------|------|----------|-----------------|----------|------------------|--------------------|--------------------|---------|
| | pH | 7.76 | | pH units | 0.500 | 1 | EPA 9045D | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |
| Certifications: NELAC-NY10854,CTDOH,PADEP | | | | | | | | | | |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|----------------|--------|------|-----------|-----------------|----------|------------------|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.640 | 1 | EPA 9014/9010C | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |
| Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | | | | | | | | |

Reactivity-Cyanide

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 |
|-----------------------------|------------------------|--------|------|-------|-----------------|----------|---------------------|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |
| Certifications: CTDOH,PADEP | | | | | | | | | | |



Sample Information

Client Sample ID: WC-6B (6-12)

York Sample ID: 19C1079-04

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 10:15 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:13 | 03/29/2019 11:24 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 20.8 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:30 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 11:30 am

03/26/2019

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 | 0.065 | 0.13 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 78-93-3 | 2-Butanone | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 67-64-1 | Acetone | 0.0085 | J | mg/kg dry | 0.0065 | 0.013 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0065 | 0.013 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 11:30 am

03/26/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|--------------------------------|---------------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-09-2 | Methylene chloride | 0.0087 | J | mg/kg dry | 0.0065 | 0.013 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0065 | 0.013 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:30 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 127-18-4 | Tetrachloroethylene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0033 | 0.0065 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0098 | 0.020 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 13:14 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SURRE: 1,2-Dichloroethane-d4 | 116 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SURRE: Toluene-d8 | 105 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SURRE: p-Bromofluorobenzene | 117 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:30 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:25 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 99.6 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 89.5 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 101 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.515 | 1.03 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.515 | 1.03 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.515 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 11:30 am

03/26/2019

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 91-57-6 | 2-Methylnaphthalene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.515 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.515 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.515 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.515 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.515 | 1.03 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 83-32-9 | Acenaphthene | 0.309 | J | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 208-96-8 | Acenaphthylene | 2.79 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 62-53-3 | Aniline | ND | | mg/kg dry | 1.03 | 2.06 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 11:30 am

03/26/2019

Semi-Volatiles, 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 |
|-----------|-----------------------------|--------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 2.30 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 1.03 | 2.06 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 56-55-3 | Benzo(a)anthracene | 7.92 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 50-32-8 | Benzo(a)pyrene | 8.10 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 205-99-2 | Benzo(b)fluoranthene | 6.80 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 191-24-2 | Benzo(g,h,i)perylene | 6.11 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 207-08-9 | Benzo(k)fluoranthene | 6.96 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.515 | 1.03 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 86-74-8 | Carbazole | 0.938 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 218-01-9 | Chrysene | 8.87 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.90 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 132-64-9 | Dibenzofuran | 0.259 | J | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 11:30 am

03/26/2019

Semi-Volatiles, 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 | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 206-44-0 | Fluoranthene | 15.9 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 86-73-7 | Fluorene | 0.424 | J | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 6.40 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 91-20-3 | Naphthalene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 85-01-8 | Phenanthrene | 8.94 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 129-00-0 | Pyrene | 14.7 | | mg/kg dry | 0.258 | 0.515 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 1.03 | 2.06 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 19:57 | OW |

Surrogate Recoveries

Result

Acceptance Range





Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:30 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 41.0 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 45.4 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 46.8 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 51.2 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 51.6 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 49.2 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 11:15 | OW |

Surrogate Recoveries

Result

Acceptance Range

| | | | |
|-----------|---------------------------------------|--------|----------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 54.1 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 39.1 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 66.2 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 79.8 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 90.2 % | 23-163 |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:30 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 88.4 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:20 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:20 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:20 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:20 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:20 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:20 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 19:20 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 58.1 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 59.9 % | | | 30-150 | | | | | | |

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 | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 50-29-3 | 4,4'-DDT | 0.00774 | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:30 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0407 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00204 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0102 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.103 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 07:53 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 51.6 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 35.7 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:23 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:23 | SR |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 11:30 am

03/26/2019

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:23 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:23 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:23 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:23 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:23 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A Certifications: | 04/02/2019 09:17 | 04/03/2019 16:23 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 57.0 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 83.0 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 10:54 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 10:54 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 92.0 % | | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0243 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:24 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0243 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:24 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0243 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:24 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 125 % | | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:30 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 602 | | mg/kg dry | 58.9 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 04/02/2019 14:40 | 04/02/2019 22:35 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 65.1 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 61.2 % | | | | | 40-140 | | | |

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 | 6770 | | mg/kg dry | 6.19 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.09 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-38-2 | Arsenic | 6.36 | | mg/kg dry | 1.86 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-39-3 | Barium | 904 | | mg/kg dry | 3.09 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.062 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-43-9 | Cadmium | 1.54 | | mg/kg dry | 0.371 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-70-2 | Calcium | 53000 | | mg/kg dry | 6.19 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-47-3 | Chromium | 41.9 | | mg/kg dry | 0.619 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-48-4 | Cobalt | 8.07 | | mg/kg dry | 0.495 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-50-8 | Copper | 109 | | mg/kg dry | 2.48 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7439-89-6 | Iron | 28700 | | mg/kg dry | 30.9 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7439-92-1 | Lead | 869 | | mg/kg dry | 0.619 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7439-95-4 | Magnesium | 7550 | | mg/kg dry | 6.19 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7439-96-5 | Manganese | 356 | | mg/kg dry | 0.619 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-02-0 | Nickel | 27.2 | | mg/kg dry | 1.24 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-09-7 | Potassium | 1460 | B | mg/kg dry | 6.19 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 11:30 am

03/26/2019

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 | ND | | mg/kg dry | 3.09 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.619 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-23-5 | Sodium | 919 | | mg/kg dry | 61.9 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.09 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-62-2 | Vanadium | 26.8 | | mg/kg dry | 1.24 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |
| 7440-66-6 | Zinc | 647 | | mg/kg dry | 3.09 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:48 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------|--------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:11 | KML |
| 7440-39-3 | Barium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:11 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:11 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:11 | KML |
| 7439-92-1 | Lead | 0.433 | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:11 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:11 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:11 | 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 | 0.470 | | mg/kg dry | 0.0371 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/02/2019 08:52 | 04/02/2019 10:17 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:30 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 10:44 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/28/2019 17:03 | 03/28/2019 17:27 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| | * % Solids | 80.8 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 14:48 | 04/01/2019 17:01 | MAC |

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 | 0.619 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/27/2019 08:58 | 03/27/2019 16:42 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 8.87 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.619 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-7A (0-6)

York Sample ID: 19C1079-05

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:30 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 15:33 | 04/02/2019 12:29 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 20.9 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|-------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

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|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|---------------|-------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 123-91-1 | 1,4-Dioxane | ND | | mg/kg dry | 0.054 | 0.11 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 78-93-3 | 2-Butanone | 0.0086 | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 67-64-1 | Acetone | 0.045 | | mg/kg dry | 0.0054 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0054 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 108-86-1 | Bromobenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

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|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|--------------------------------|--------|-------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.0054 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0054 | 0.011 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | IS-LO | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|----------------|-------------------------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 127-18-4 | Tetrachloroethylene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0027 | 0.0054 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0080 | 0.016 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 06:44 | 03/28/2019 13:41 | LLJ |
| Surrogate Recoveries | | Result | | Acceptance Range | | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 113 % | | 77-125 | | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 119 % | | 85-120 | | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 131 % | S-03, IS-LO | 76-130 | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 13:51 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 97.4 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 93.1 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 102 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.101 | 0.202 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.101 | 0.202 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.101 | 0.202 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 91-57-6 | 2-Methylnaphthalene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.101 | 0.202 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.101 | 0.202 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 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 | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.101 | 0.202 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.101 | 0.202 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 83-32-9 | Acenaphthene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 208-96-8 | Acenaphthylene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 62-53-3 | Aniline | ND | | mg/kg dry | 0.203 | 0.406 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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 |
|-----------|-----------------------------|---------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 0.203 | 0.406 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 56-55-3 | Benzo(a)anthracene | 0.0753 | J | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 50-32-8 | Benzo(a)pyrene | 0.0664 | J | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 205-99-2 | Benzo(b)fluoranthene | 0.0551 | J | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 191-24-2 | Benzo(g,h,i)perylene | 0.0583 | J | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 207-08-9 | Benzo(k)fluoranthene | 0.0534 | J | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.101 | 0.202 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 86-74-8 | Carbazole | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 218-01-9 | Chrysene | 0.0882 | J | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 132-64-9 | Dibenzofuran | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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 | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 206-44-0 | Fluoranthene | 0.156 | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 86-73-7 | Fluorene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 91-20-3 | Naphthalene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 85-01-8 | Phenanthrene | 0.0753 | J | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 129-00-0 | Pyrene | 0.316 | | mg/kg dry | 0.0508 | 0.101 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 0.203 | 0.406 | 2 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:28 | OW |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 63.5 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 60.0 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 59.4 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 60.6 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 69.2 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 57.2 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/02/2019 12:02 | OW |

Surrogate Recoveries

Result

Acceptance Range

| | | | |
|-----------|---------------------------------------|--------|----------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 52.9 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 37.4 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 65.6 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 73.2 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 88.4 % | 23-163 |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 82.8 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:35 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:35 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:35 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:35 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:35 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:35 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 19:35 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 53.8 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 56.6 % | | | 30-150 | | | | | | |

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 | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0402 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00201 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0100 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.102 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 12:30 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 39.1 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 60.2 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0203 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:36 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:36 | SR |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:36 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:36 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:36 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:36 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:36 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A Certifications: | 04/02/2019 09:17 | 04/03/2019 16:36 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 47.0 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 71.5 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 11:06 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 11:06 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 120 % | | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0240 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:37 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0240 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:37 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0240 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:37 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 129 % | | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 1550 | | mg/kg dry | 576 | 10 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 04/02/2019 14:40 | 04/03/2019 12:12 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 52.5 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 54.3 % | | | | | 40-140 | | | |

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 | 8350 | | mg/kg dry | 6.11 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.05 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-38-2 | Arsenic | 4.47 | | mg/kg dry | 1.83 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-39-3 | Barium | 116 | | mg/kg dry | 3.05 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.061 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-43-9 | Cadmium | 0.643 | | mg/kg dry | 0.366 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-70-2 | Calcium | 30500 | | mg/kg dry | 6.11 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-47-3 | Chromium | 20.3 | | mg/kg dry | 0.611 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-48-4 | Cobalt | 13.5 | | mg/kg dry | 0.489 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-50-8 | Copper | 67.9 | | mg/kg dry | 2.44 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7439-89-6 | Iron | 18900 | | mg/kg dry | 30.5 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7439-92-1 | Lead | 110 | | mg/kg dry | 0.611 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7439-95-4 | Magnesium | 8170 | | mg/kg dry | 6.11 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7439-96-5 | Manganese | 384 | | mg/kg dry | 0.611 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-02-0 | Nickel | 100 | | mg/kg dry | 1.22 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-09-7 | Potassium | 2980 | B | mg/kg dry | 6.11 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | ND | | mg/kg dry | 3.05 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.611 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-23-5 | Sodium | 351 | | mg/kg dry | 61.1 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.05 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-62-2 | Vanadium | 175 | | mg/kg dry | 1.22 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |
| 7440-66-6 | Zinc | 155 | | mg/kg dry | 3.05 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:55 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-----------|--------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:13 | KML |
| 7440-39-3 | Barium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:13 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:13 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:13 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:13 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:13 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:13 | 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 | 0.593 | | mg/kg dry | 0.0366 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/02/2019 08:52 | 04/02/2019 10:26 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 Certifications: CTDOH,NJDEP,PADEP,NELAC-NY10854 | 04/01/2019 09:05 | 04/01/2019 10:55 | SY |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P Certifications: | 03/28/2019 17:03 | 03/28/2019 17:27 | AA |

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|------------|--------|------|-------|-----------------|----------|-----------------------------------|--------------------|--------------------|---------|
| | * % Solids | 81.9 | | % | 0.100 | 1 | SM 2540G Certifications: CTDOH | 04/01/2019 14:48 | 04/01/2019 17:01 | MAC |

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 | 0.611 | 1 | EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP | 03/27/2019 08:58 | 03/27/2019 16:42 | MAC |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|--|--------------------|--------------------|---------|
| | pH | 9.17 | | pH units | 0.500 | 1 | EPA 9045D Certifications: NELAC-NY10854,CTDOH,PADEP | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.611 | 1 | EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 Certifications: CTDOH,PADEP | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |



Sample Information

Client Sample ID: WC-7B (6-12)

York Sample ID: 19C1079-06

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 11:35 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 15:33 | 04/02/2019 12:29 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 20.8 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|---|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|---------------|----------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 123-91-1 | 1,4-Dioxane | ND | | mg/kg dry | 0.058 | 0.12 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 78-93-3 | 2-Butanone | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 67-64-1 | Acetone | 0.0066 | J | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 107-02-8 | Acrolein | ND | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 71-43-2 | Benzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 108-86-1 | Bromobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-25-2 | Bromoform | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 74-83-9 | Bromomethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-00-3 | Chloroethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 67-66-3 | Chloroform | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 74-87-3 | Chloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-------------|--------------------------------|--------|------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 110-82-7 | Cyclohexane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 74-95-3 | Dibromomethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 79-20-9 | Methyl acetate | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-09-2 | Methylene chloride | ND | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 95-47-6 | o-Xylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | mg/kg dry | 0.0058 | 0.012 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 100-42-5 | Styrene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-----------|---------------------|--------|----------|--|--------------------|--------------------|---------|
| 127-18-4 | Tetrachloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 108-88-3 | Toluene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | mg/kg dry | 0.0029 | 0.0058 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | mg/kg dry | 0.0087 | 0.017 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 09:50 | 03/28/2019 14:07 | LLJ |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 116 % | 77-125 | | | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 104 % | 85-120 | | | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 115 % | 76-130 | | | | | | | | |

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|----------------------|--------|------|-------|---------------------|-------|----------|---|--------------------|--------------------|---------|
| 75-35-4 | 1,1-Dichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |
| 78-93-3 | 2-Butanone | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |
| 71-43-2 | Benzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |
| 108-90-7 | Chlorobenzene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |
| 67-66-3 | Chloroform | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Soil

March 26, 2019 12:00 am

03/26/2019

Volatiles, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B/1311

| 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/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |
| 79-01-6 | Trichloroethylene | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | mg/L | 0.025 | 0.050 | 10 | EPA 8260C/1311 Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/02/2019 07:30 | 04/02/2019 14:18 | RDS |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 99.6 % | | | 65-135 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 91.8 % | | | 86-118 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 107 % | | | 81-114 | | | | | | |

Semi-Volatiles, 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 | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | mg/kg dry | 0.529 | 1.06 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | mg/kg dry | 0.529 | 1.06 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 120-83-2 | 2,4-Dichlorophenol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 105-67-9 | 2,4-Dimethylphenol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 51-28-5 | 2,4-Dinitrophenol | ND | | mg/kg dry | 0.529 | 1.06 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

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|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------------|--------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 91-58-7 | 2-Chloronaphthalene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 95-57-8 | 2-Chlorophenol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 91-57-6 | 2-Methylnaphthalene | 0.494 | J | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 88-74-4 | 2-Nitroaniline | ND | | mg/kg dry | 0.529 | 1.06 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 88-75-5 | 2-Nitrophenol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 99-09-2 | 3-Nitroaniline | ND | | mg/kg dry | 0.529 | 1.06 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | mg/kg dry | 0.529 | 1.06 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 106-47-8 | 4-Chloroaniline | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 100-01-6 | 4-Nitroaniline | ND | | mg/kg dry | 0.529 | 1.06 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 100-02-7 | 4-Nitrophenol | ND | | mg/kg dry | 0.529 | 1.06 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 83-32-9 | Acenaphthene | 0.634 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 208-96-8 | Acenaphthylene | 5.10 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 98-86-2 | Acetophenone | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 62-53-3 | Aniline | ND | | mg/kg dry | 1.06 | 2.12 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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 |
|-----------|-------------------------------|-------------|------|-----------|---------------------|-------|----------|--|--------------------|--------------------|---------|
| 120-12-7 | Anthracene | 4.77 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 1912-24-9 | Atrazine | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 100-52-7 | Benzaldehyde | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 92-87-5 | Benzidine | ND | | mg/kg dry | 1.06 | 2.12 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 56-55-3 | Benzo(a)anthracene | 13.8 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 50-32-8 | Benzo(a)pyrene | 12.5 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 205-99-2 | Benzo(b)fluoranthene | 11.2 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 191-24-2 | Benzo(g,h,i)perylene | 8.10 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 207-08-9 | Benzo(k)fluoranthene | 11.6 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 65-85-0 | Benzoic acid | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 100-51-6 | Benzyl alcohol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 85-68-7 | Benzyl butyl phthalate | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 105-60-2 | Caprolactam | ND | | mg/kg dry | 0.529 | 1.06 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 86-74-8 | Carbazole | 1.61 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 218-01-9 | Chrysene | 15.5 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 53-70-3 | Dibenzo(a,h)anthracene | 2.75 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 132-64-9 | Dibenzofuran | 1.41 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 84-66-2 | Diethyl phthalate | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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 | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 84-74-2 | Di-n-butyl phthalate | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 117-84-0 | Di-n-octyl phthalate | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 206-44-0 | Fluoranthene | 34.9 | | mg/kg dry | 0.662 | 1.32 | 25 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:41 | OW |
| 86-73-7 | Fluorene | 1.62 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 9.31 | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 78-59-1 | Isophorone | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 91-20-3 | Naphthalene | 0.486 | J | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 85-01-8 | Phenanthrene | 24.3 | | mg/kg dry | 0.662 | 1.32 | 25 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:41 | OW |
| 108-95-2 | Phenol | ND | | mg/kg dry | 0.265 | 0.529 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |
| 129-00-0 | Pyrene | 25.7 | | mg/kg dry | 0.662 | 1.32 | 25 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/04/2019 09:41 | OW |
| 110-86-1 | Pyridine | ND | | mg/kg dry | 1.06 | 2.12 | 10 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 10:21 | 04/03/2019 20:58 | OW |

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, 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: SURR: 2-Fluorophenol | 32.2 % | | | 20-108 | | | | | | |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 36.2 % | | | 23-114 | | | | | | |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 37.2 % | | | 22-108 | | | | | | |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 40.8 % | | | 21-113 | | | | | | |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 47.4 % | | | 19-110 | | | | | | |
| 1718-51-0 | Surrogate: SURR: Terphenyl-d14 | 42.8 % | | | 24-116 | | | | | | |

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|-----------------------|--------|------|-------|---------------------|---------|----------|---|--------------------|--------------------|---------|
| 106-46-7 | 1,4-Dichlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: NELAC-NY10854,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 95-48-7 | 2-Methylphenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 1319-77-3 | Cresols, total | ND | | mg/L | 0.0200 | 0.0300 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854 | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 67-72-1 | Hexachloroethane | ND | | mg/L | 0.00250 | 0.00500 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 98-95-3 | Nitrobenzene | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 87-86-5 | Pentachlorophenol | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |
| 110-86-1 | Pyridine | ND | | mg/L | 0.00500 | 0.0100 | 1 | EPA 8270D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 09:06 | 04/01/2019 22:39 | OW |

| | Surrogate Recoveries | Result | Acceptance Range |
|-----------|---------------------------------------|--------|------------------|
| 367-12-4 | Surrogate: SURR: 2-Fluorophenol | 46.9 % | 10-90.9 |
| 4165-62-2 | Surrogate: SURR: Phenol-d5 | 33.3 % | 10-69.2 |
| 4165-60-0 | Surrogate: SURR: Nitrobenzene-d5 | 60.8 % | 19.2-141 |
| 321-60-8 | Surrogate: SURR: 2-Fluorobiphenyl | 71.6 % | 24.8-127 |
| 118-79-6 | Surrogate: SURR: 2,4,6-Tribromophenol | 82.4 % | 23-163 |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Semi-Volatiles, TCLP RCRA Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| 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: SURR: Terphenyl-d14 | 79.3 % | | | 25.8-110 | | | | | | |

Pesticides, TCLP RCRA List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|------|-------|-------------------------|-----------|----------|---|--------------------|--------------------|---------|
| 72-20-8 | Endrin | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:49 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:49 | CM |
| 76-44-8 | Heptachlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:49 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:49 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/L | 0.0000444 | 0.0000444 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:49 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/L | 0.00111 | 0.00111 | 1 | EPA 8081B/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 07:39 | 04/01/2019 19:49 | CM |
| 57-74-9 | * Chlordane, total | ND | | mg/L | 0.00222 | 0.00222 | 1 | EPA 8081B/1311 Certifications: | 04/01/2019 07:39 | 04/01/2019 19:49 | CM |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 57.6 % | | | 30-150 | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 56.0 % | | | 30-150 | | | | | | |

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 | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 72-55-9 | 4,4'-DDE | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 50-29-3 | 4,4'-DDT | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 309-00-2 | Aldrin | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 319-84-6 | alpha-BHC | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 5103-71-9 | alpha-Chlordane | 0.00453 | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 319-85-7 | beta-BHC | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|----------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | mg/kg dry | 0.0405 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 319-86-8 | delta-BHC | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 60-57-1 | Dieldrin | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 959-98-8 | Endosulfan I | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 33213-65-9 | Endosulfan II | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854 | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 72-20-8 | Endrin | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 53494-70-5 | Endrin ketone | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 5566-34-7 | gamma-Chlordane | 0.00413 | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: NELAC-NY10854,NJDEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 76-44-8 | Heptachlor | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | mg/kg dry | 0.00202 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 72-43-5 | Methoxychlor | ND | | mg/kg dry | 0.0101 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| 8001-35-2 | Toxaphene | ND | | mg/kg dry | 0.102 | 5 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:17 | 04/04/2019 08:08 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 55.5 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 46.1 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample 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 | 0.0204 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:50 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:50 | SR |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---------------------------------|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:50 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:50 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:50 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:50 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 09:17 | 04/03/2019 16:50 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A Certifications: | 04/02/2019 09:17 | 04/03/2019 16:50 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 65.5 % | 30-140 | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 79.0 % | 30-140 | | | | | | | |

Herbicides, TCLP Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 11:19 | SR |
| 94-75-7 | 2,4-D | ND | | mg/L | 0.00500 | 1 | EPA 8151A/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:14 | 04/03/2019 11:19 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (| 125 % | 30-150 | | | | | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B/8151A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|-------------------------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | mg/kg dry | 0.0243 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:50 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | mg/kg dry | 0.0243 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:50 | SR |
| 94-75-7 | 2,4-D | ND | | mg/kg dry | 0.0243 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:09 | 04/03/2019 16:50 | SR |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (| 82.8 % | 30-150 | | | | | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Sample Prepared by Method: EPA 3545A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------------------------|---------------|------|-----------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 657 | | mg/kg dry | 60.8 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 04/02/2019 14:40 | 04/02/2019 23:31 | CM |
| | Surrogate Recoveries | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 70.9 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 61.7 % | | | | | 40-140 | | | |

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 | 7170 | | mg/kg dry | 6.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-38-2 | Arsenic | 5.65 | | mg/kg dry | 1.86 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-39-3 | Barium | 689 | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.062 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-43-9 | Cadmium | 1.52 | | mg/kg dry | 0.372 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-70-2 | Calcium | 52000 | | mg/kg dry | 6.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-47-3 | Chromium | 33.0 | | mg/kg dry | 0.620 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-48-4 | Cobalt | 7.45 | | mg/kg dry | 0.496 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-50-8 | Copper | 84.6 | | mg/kg dry | 2.48 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7439-89-6 | Iron | 21200 | | mg/kg dry | 31.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7439-92-1 | Lead | 814 | | mg/kg dry | 0.620 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7439-95-4 | Magnesium | 6140 | | mg/kg dry | 6.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7439-96-5 | Manganese | 324 | | mg/kg dry | 0.620 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-02-0 | Nickel | 27.2 | | mg/kg dry | 1.24 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-09-7 | Potassium | 1490 | B | mg/kg dry | 6.20 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

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 | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.620 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-23-5 | Sodium | 962 | | mg/kg dry | 62.0 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-62-2 | Vanadium | 26.1 | | mg/kg dry | 1.24 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |
| 7440-66-6 | Zinc | 633 | | mg/kg dry | 3.10 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 09:58 | 03/27/2019 13:57 | KML |

Metals, TCLP RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A/1311

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|-------------|--------------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 7440-38-2 | Arsenic | ND | | mg/L | 0.375 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:16 | KML |
| 7440-39-3 | Barium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:16 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.075 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:16 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:16 | KML |
| 7439-92-1 | Lead | 0.336 | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:16 | KML |
| 7782-49-2 | Selenium | ND | | mg/L | 0.625 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:16 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.125 | 1 | EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/29/2019 17:19 | 04/01/2019 14:16 | 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 | 0.304 | | mg/kg dry | 0.0372 | 1 | EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 04/02/2019 08:52 | 04/02/2019 10:35 | SY |

Mercury TCLP by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Mercury TCLP 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 | 0.0002000 | 1 | EPA 7473/1311 | 04/01/2019 09:05 | 04/01/2019 11:06 | SY |
| | | | | | | | Certifications: | CTDOH,NJDEP,PADEP,NELAC-NY10854 | | |

Ignitability

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 |
|---------|----------------|------------|------|-------|-----------------|----------|------------------|--------------------|--------------------|---------|
| | * Ignitability | Non-Ignit. | | - | 1 | 1 | EPA 1030P | 03/28/2019 17:03 | 03/28/2019 17:27 | AA |
| | | | | | | | Certifications: | | | |

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 | 80.7 | | % | 0.100 | 1 | SM 2540G | 04/01/2019 14:48 | 04/01/2019 17:01 | MAC |
| | | | | | | | 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 | 0.620 | 1 | EPA 7196A | 03/27/2019 08:58 | 03/27/2019 16:42 | MAC |
| | | | | | | | Certifications: | NJDEP,CTDOH,NELAC-NY10854,PADEP | | |

Corrosivity by SM 4500/EPA 9045D

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 |
|---------|-----------|--------|------|----------|-----------------|----------|------------------|---------------------------|--------------------|---------|
| | pH | 8.91 | | pH units | 0.500 | 1 | EPA 9045D | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,PADEP | | |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-----------|-----------------|----------|------------------|---------------------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | mg/kg dry | 0.620 | 1 | EPA 9014/9010C | 03/29/2019 07:19 | 03/29/2019 15:06 | JTV |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

Reactivity-Cyanide

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 |
|---------|------------------------|--------|------|-------|-----------------|----------|---------------------|--------------------|--------------------|---------|
| | * Reactivity - Cyanide | ND | | mg/kg | 0.250 | 1 | EPA SW-846 Ch.7.3.3 | 03/29/2019 15:11 | 03/29/2019 15:13 | JTV |
| | | | | | | | Certifications: | CTDOH,PADEP | | |



Sample Information

Client Sample ID: Dup_3.26.19

York Sample ID: 19C1079-07

| | | | | |
|--|---------------------------------------|-----------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Soil | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|-----------------------|--|------------------------------------|

Reactivity-Sulfide

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 |
|------------------------|-----------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| * Reactivity - Sulfide | | ND | | mg/kg | 15.0 | 1 | EPA SW-846 Ch.7.3.4 Certifications: CTDOH,PADEP | 03/29/2019 15:12 | 03/29/2019 15:13 | JTV |

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 18:14 | 03/29/2019 11:25 | TAJ |

TCLP Extraction for SVOCS/PEST/HERB

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for SVOA/PEST/HERBS

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 03/28/2019 17:54 | 03/29/2019 14:32 | TAJ |

TCLP Extraction for VOA by EPA 1311 ZHE

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ZHE for VOA

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------|-----------|-----------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| TCLP Extraction | | Completed | | N/A | 1.00 | 1 | EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 15:33 | 04/02/2019 12:29 | TAJ |

Temperature

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 |
|---------------|-----------|--------|------|-------|-----------------|----------|------------------------------|--------------------|--------------------|---------|
| * Temperature | | 20.8 | | °C | 1.00 | 1 | EPA 170.1 Certifications: | 04/01/2019 09:11 | 04/01/2019 12:41 | TJM |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1079-08

| | | | | |
|--|---------------------------------------|------------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Water | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|------------------------|--|------------------------------------|

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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1079-08

| | | | | |
|--|---------------------------------------|------------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Water | <u>Collection Date/Time</u> March 26, 2019 12:00 am | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|------------------------|--|------------------------------------|

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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 78-93-3 | 2-Butanone | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 67-64-1 | Acetone | ND | | ug/L | 1.00 | 2.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 107-02-8 | Acrolein | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 71-43-2 | Benzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 108-86-1 | Bromobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-25-2 | Bromoform | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 74-83-9 | Bromomethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-00-3 | Chloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 67-66-3 | Chloroform | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 74-87-3 | Chloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1079-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:00 am

03/26/2019

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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 110-82-7 | Cyclohexane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 74-95-3 | Dibromomethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 79-20-9 | Methyl acetate | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-09-2 | Methylene chloride | 1.13 | J | ug/L | 1.00 | 2.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 95-47-6 | o-Xylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/L | 0.500 | 1.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 100-42-5 | Styrene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/L | 0.500 | 1.00 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1079-08

York Project (SDG) No.
19C1079

Client Project ID
100765101

Matrix
Water

Collection Date/Time
March 26, 2019 12:00 am

Date Received
03/26/2019

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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 108-88-3 | Toluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | ug/L | 0.600 | 1.50 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 07:00 | 03/28/2019 13:42 | LLJ |

| | Surrogate Recoveries | Result | Acceptance Range |
|------------|--|--------|------------------|
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 105 % | 70-130 |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 99.1 % | 70-130 |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 108 % | 70-130 |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:30 pm

03/26/2019

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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 123-91-1 | 1,4-Dioxane | ND | | ug/L | 40.0 | 80.0 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

| | | | | |
|--|---------------------------------------|------------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Water | <u>Collection Date/Time</u> March 26, 2019 12:30 pm | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|------------------------|--|------------------------------------|

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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 78-93-3 | 2-Butanone | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 67-64-1 | Acetone | ND | | ug/L | 1.00 | 2.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 107-02-8 | Acrolein | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 71-43-2 | Benzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 108-86-1 | Bromobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-25-2 | Bromoform | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 74-83-9 | Bromomethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-00-3 | Chloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 67-66-3 | Chloroform | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 74-87-3 | Chloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:30 pm

03/26/2019

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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 110-82-7 | Cyclohexane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 74-95-3 | Dibromomethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 79-20-9 | Methyl acetate | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-09-2 | Methylene chloride | ND | | ug/L | 1.00 | 2.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 95-47-6 | o-Xylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/L | 0.500 | 1.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 100-42-5 | Styrene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/L | 0.500 | 1.00 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 127-18-4 | Tetrachloroethylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:30 pm

03/26/2019

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|--|---------------|------|-------|-------------------------|-------|----------|--|--------------------|--------------------|---------|
| 108-88-3 | Toluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 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 | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | ug/L | 0.600 | 1.50 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 04/01/2019 07:00 | 04/01/2019 10:56 | LLJ |
| Surrogate Recoveries | | Result | | | Acceptance Range | | | | | | |
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 107 % | | | 70-130 | | | | | | |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 96.7 % | | | 70-130 | | | | | | |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 109 % | | | 70-130 | | | | | | |

Semi-Volatiles, 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 | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:30 pm

03/26/2019

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: A-01

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 | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 120-83-2 | 2,4-Dichlorophenol | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 105-67-9 | 2,4-Dimethylphenol | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 51-28-5 | 2,4-Dinitrophenol | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 95-57-8 | 2-Chlorophenol | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 95-48-7 | 2-Methylphenol | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 88-74-4 | 2-Nitroaniline | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 88-75-5 | 2-Nitrophenol | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 65794-96-9 | 3- & 4-Methylphenols | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 99-09-2 | 3-Nitroaniline | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 106-47-8 | 4-Chloroaniline | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | HT-01R | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:30 pm

03/26/2019

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|-----------------------------|--------|--------|-------|---------------------|------|----------|--|--------------------|--------------------|---------|
| 100-01-6 | 4-Nitroaniline | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 100-02-7 | 4-Nitrophenol | ND | HT-01R | ug/L | 5.56 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 98-86-2 | Acetophenone | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 62-53-3 | Aniline | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 100-52-7 | Benzaldehyde | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 92-87-5 | Benzidine | ND | | ug/L | 5.56 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 65-85-0 | Benzoic acid | ND | HT-01R | ug/L | 27.8 | 55.6 | 1 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/04/2019 08:06 | 04/05/2019 09:04 | OW |
| 100-51-6 | Benzyl alcohol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/L | 1.11 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 105-60-2 | Caprolactam | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 86-74-8 | Carbazole | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 132-64-9 | Dibenzofuran | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 84-66-2 | Diethyl phthalate | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 131-11-3 | Dimethyl phthalate | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/L | 5.56 | 11.1 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 78-59-1 | Isophorone | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/03/2019 17:24 | OW |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:30 pm

03/26/2019

Semi-Volatiles, 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 N-Nitrosodiphenylamine, Phenol, Pyridine, and Surrogate Recoveries.

Semi-Volatiles, 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. Includes rows for Acenaphthene, Acenaphthylene, Anthracene, Atrazine, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Bis(2-ethylhexyl)phthalate, Chrysene, and Dibenzo(a,h)anthracene.



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

| | | | | |
|--|---------------------------------------|------------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Water | <u>Collection Date/Time</u> March 26, 2019 12:30 pm | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|------------------------|--|------------------------------------|

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|----------|------------------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| 206-44-0 | Fluoranthene | ND | | ug/L | 0.0556 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |
| 86-73-7 | Fluorene | ND | | ug/L | 0.0556 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | ug/L | 0.0222 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.556 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |
| 67-72-1 | Hexachloroethane | ND | | ug/L | 0.556 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.0556 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |
| 91-20-3 | Naphthalene | ND | | ug/L | 0.0556 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |
| 98-95-3 | Nitrobenzene | ND | | ug/L | 0.278 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/L | 0.556 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |
| 87-86-5 | Pentachlorophenol | ND | | ug/L | 0.278 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP | 04/04/2019 08:06 | 04/04/2019 20:48 | OW |
| 85-01-8 | Phenanthrene | ND | | ug/L | 0.0556 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |
| 129-00-0 | Pyrene | ND | | ug/L | 0.0556 | 1 | EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 14:50 | 04/04/2019 08:41 | OW |

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 | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 309-00-2 | Aldrin | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 319-85-7 | beta-BHC | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

| | | | | |
|--|---------------------------------------|------------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Water | <u>Collection Date/Time</u> March 26, 2019 12:30 pm | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|------------------------|--|------------------------------------|

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 |
|-----------------------------|---------------------------------|---------------|-------------------------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| 57-74-9 | Chlordane, total | ND | | ug/L | 0.0200 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 319-86-8 | delta-BHC | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 60-57-1 | Dieldrin | ND | | ug/L | 0.00200 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 72-20-8 | Endrin | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/L | 0.0100 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/L | 0.0100 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/L | 0.0100 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 76-44-8 | Heptachlor | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/L | 0.00400 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/L | 0.100 | 1 | EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 09:46 | CM |
| Surrogate Recoveries | | Result | Acceptance Range | | | | | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 57.4 % | 30-150 | | | | | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 45.8 % | 30-150 | | | | | | | |

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|------------|--------------|--------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| 12674-11-2 | Aroclor 1016 | ND | | ug/L | 0.0500 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 16:52 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | ug/L | 0.0500 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 16:52 | SR |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

| | | | | |
|--|---------------------------------------|------------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Water | <u>Collection Date/Time</u> March 26, 2019 12:30 pm | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|------------------------|--|------------------------------------|

Polychlorinated Biphenyls (PCB)

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 |
|-----------------------------|---------------------------------|---------------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| 11141-16-5 | Aroclor 1232 | ND | | ug/L | 0.0500 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 16:52 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | ug/L | 0.0500 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 16:52 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | ug/L | 0.0500 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 16:52 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | ug/L | 0.0500 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 16:52 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | ug/L | 0.0500 | 1 | EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/01/2019 12:58 | 04/02/2019 16:52 | SR |
| 1336-36-3 | * Total PCBs | ND | | ug/L | 0.0500 | 1 | EPA 8082A Certifications: | 04/01/2019 12:58 | 04/02/2019 16:52 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 877-09-8 | Surrogate: Tetrachloro-m-xylene | 83.5 % | | | | | 30-120 | | | |
| 2051-24-3 | Surrogate: Decachlorobiphenyl | 128 % | S-HI | | | | 30-120 | | | |

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------------------------|---|---------------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| 93-76-5 | 2,4,5-T | ND | | ug/L | 5.00 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:24 | 04/03/2019 08:59 | SR |
| 93-72-1 | 2,4,5-TP (Silvex) | ND | | ug/L | 5.00 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:24 | 04/03/2019 08:59 | SR |
| 94-75-7 | 2,4-D | ND | | ug/L | 5.00 | 1 | EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 04/02/2019 09:24 | 04/03/2019 08:59 | SR |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 19719-28-9 | Surrogate: 2,4-Dichlorophenylacetic acid (. 110 % | | | | | | 30-150 | | | |

NJDEP EPH (Cat. 2 Non-Fractionated)

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 |
|-----------------------------|-------------------------------|---------------|------------------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| | * Total EPH | 174 | B, GC-DR O | ug/L | 100 | 1 | NJDEP EPH Rev 3.0 Certifications: NJDEP | 04/01/2019 12:55 | 04/02/2019 10:26 | CM |
| Surrogate Recoveries | | Result | | | | | Acceptance Range | | | |
| 3386-33-2 | Surrogate: 1-Chlorooctadecane | 59.6 % | | | | | 40-140 | | | |
| 84-15-1 | Surrogate: o-Terphenyl | 59.3 % | | | | | 40-140 | | | |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

| | | | | |
|--|---------------------------------------|------------------------|--|------------------------------------|
| <u>York Project (SDG) No.</u> 19C1079 | <u>Client Project ID</u> 100765101 | <u>Matrix</u> Water | <u>Collection Date/Time</u> March 26, 2019 12:30 pm | <u>Date Received</u> 03/26/2019 |
|--|---------------------------------------|------------------------|--|------------------------------------|

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|-----------|------------------|--------------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| 7429-90-5 | Aluminum | ND | | mg/L | 0.0556 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-39-3 | Barium | ND | | mg/L | 0.0278 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-70-2 | Calcium | 0.102 | | mg/L | 0.0556 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.00556 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-48-4 | Cobalt | ND | | mg/L | 0.00444 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-50-8 | Copper | ND | | mg/L | 0.0222 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7439-89-6 | Iron | ND | | mg/L | 0.278 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.00556 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7439-95-4 | Magnesium | ND | | mg/L | 0.0556 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7439-96-5 | Manganese | ND | | mg/L | 0.00556 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-02-0 | Nickel | ND | | mg/L | 0.0111 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-09-7 | Potassium | 0.123 | | mg/L | 0.0556 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.00556 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-23-5 | Sodium | ND | | mg/L | 0.556 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-62-2 | Vanadium | ND | | mg/L | 0.0111 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | KML |
| 7440-66-6 | Zinc | ND | | mg/L | 0.0278 | 1 | EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:05 | 03/27/2019 17:46 | 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 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:08 | 03/27/2019 15:33 | KML |
| 7440-38-2 | Arsenic | ND | | mg/L | 0.00111 | 1 | EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:08 | 03/27/2019 15:33 | KML |



Sample Information

Client Sample ID: FB_3.26.19

York Sample ID: 19C1079-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:30 pm

03/26/2019

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 |
|-----------|-----------|---------|------|-------|-----------------|----------|--|--------------------|--------------------|---------|
| 7440-41-7 | Beryllium | ND | | mg/L | 0.000333 | 1 | EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:08 | 03/27/2019 15:33 | KML |
| 7440-43-9 | Cadmium | ND | | mg/L | 0.000556 | 1 | EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:08 | 03/27/2019 15:33 | KML |
| 7782-49-2 | Selenium | 0.00138 | | mg/L | 0.00111 | 1 | EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:08 | 03/27/2019 15:33 | KML |
| 7440-28-0 | Thallium | ND | | mg/L | 0.00111 | 1 | EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 03/27/2019 10:08 | 03/27/2019 15:33 | KML |

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 | 03/28/2019 09:18 | 03/28/2019 09:57 | 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 | 03/27/2019 09:29 | 03/27/2019 10:08 | MAC |

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---------|----------------|--------|------|-------|-----------------|----------|---|--------------------|--------------------|---------|
| 57-12-5 | Cyanide, total | ND | | ug/L | 10.0 | 1 | SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 04/02/2019 07:12 | 04/02/2019 10:29 | JTV |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1079-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:00 am

03/26/2019

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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1079-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:00 am

03/26/2019

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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 78-93-3 | 2-Butanone | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 591-78-6 | 2-Hexanone | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 67-64-1 | Acetone | ND | | ug/L | 1.00 | 2.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 107-02-8 | Acrolein | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 107-13-1 | Acrylonitrile | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 71-43-2 | Benzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 108-86-1 | Bromobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 74-97-5 | Bromochloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-27-4 | Bromodichloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-25-2 | Bromoform | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 74-83-9 | Bromomethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-15-0 | Carbon disulfide | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 56-23-5 | Carbon tetrachloride | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 108-90-7 | Chlorobenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-00-3 | Chloroethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 67-66-3 | Chloroform | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 74-87-3 | Chloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1079-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C1079

100765101

Water

March 26, 2019 12:00 am

03/26/2019

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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 110-82-7 | Cyclohexane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 124-48-1 | Dibromochloromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 74-95-3 | Dibromomethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 100-41-4 | Ethyl Benzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 98-82-8 | Isopropylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 79-20-9 | Methyl acetate | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 108-87-2 | Methylcyclohexane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-09-2 | Methylene chloride | 1.20 | J | ug/L | 1.00 | 2.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 104-51-8 | n-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 103-65-1 | n-Propylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 95-47-6 | o-Xylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/L | 0.500 | 1.00 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 135-98-8 | sec-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 100-42-5 | Styrene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/L | 0.500 | 1.00 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 98-06-6 | tert-Butylbenzene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 19C1079-10

York Project (SDG) No.
19C1079

Client Project ID
100765101

Matrix
Water

Collection Date/Time
March 26, 2019 12:00 am

Date Received
03/26/2019

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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 108-88-3 | Toluene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 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 | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 79-01-6 | Trichloroethylene | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 108-05-4 | Vinyl acetate | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 75-01-4 | Vinyl Chloride | ND | | ug/L | 0.200 | 0.500 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |
| 1330-20-7 | Xylenes, Total | ND | | ug/L | 0.600 | 1.50 | 1 | EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP | 03/28/2019 07:00 | 03/28/2019 14:09 | LLJ |

| | Surrogate Recoveries | Result | Acceptance Range |
|------------|--|--------|------------------|
| 17060-07-0 | Surrogate: SURR: 1,2-Dichloroethane-d4 | 106 % | 70-130 |
| 2037-26-5 | Surrogate: SURR: Toluene-d8 | 99.7 % | 70-130 |
| 460-00-4 | Surrogate: SURR: p-Bromofluorobenzene | 111 % | 70-130 |



Analytical Batch Summary

Batch ID: BC91297 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-08 | Trip Blank | 03/28/19 |
| 19C1079-10 | Trip Blank | 03/28/19 |
| BC91297-BLK1 | Blank | 03/28/19 |
| BC91297-BS1 | LCS | 03/28/19 |
| BC91297-BSD1 | LCS Dup | 03/28/19 |

Batch ID: BC91362 **Preparation Method:** EPA SW846-3060 **Prepared By:** MAC

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/27/19 |
| 19C1079-02 | WC-5B (6-12) | 03/27/19 |
| 19C1079-03 | WC-6A (0-6) | 03/27/19 |
| 19C1079-04 | WC-6B (6-12) | 03/27/19 |
| 19C1079-05 | WC-7A (0-6) | 03/27/19 |
| 19C1079-06 | WC-7B (6-12) | 03/27/19 |
| 19C1079-07 | Dup_3.26.19 | 03/27/19 |
| BC91362-BLK1 | Blank | 03/27/19 |
| BC91362-SRM1 | Reference | 03/27/19 |

Batch ID: BC91366 **Preparation Method:** Analysis Preparation **Prepared By:** MAC

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09 | FB_3.26.19 | 03/27/19 |
| BC91366-BLK1 | Blank | 03/27/19 |
| BC91366-BS1 | LCS | 03/27/19 |
| BC91366-DUP1 | Duplicate | 03/27/19 |
| BC91366-MS1 | Matrix Spike | 03/27/19 |

Batch ID: BC91371 **Preparation Method:** EPA 3050B **Prepared By:** SY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/27/19 |
| 19C1079-02 | WC-5B (6-12) | 03/27/19 |
| 19C1079-03 | WC-6A (0-6) | 03/27/19 |
| 19C1079-04 | WC-6B (6-12) | 03/27/19 |
| 19C1079-05 | WC-7A (0-6) | 03/27/19 |
| 19C1079-06 | WC-7B (6-12) | 03/27/19 |
| 19C1079-07 | Dup_3.26.19 | 03/27/19 |
| BC91371-BLK1 | Blank | 03/27/19 |
| BC91371-SRM1 | Reference | 03/27/19 |

Batch ID: BC91373 **Preparation Method:** EPA 3015A **Prepared By:** SY



| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09 | FB_3.26.19 | 03/27/19 |
| BC91373-BLK1 | Blank | 03/27/19 |
| BC91373-BS1 | LCS | 03/27/19 |
| BC91373-DUP1 | Duplicate | 03/27/19 |
| BC91373-MS1 | Matrix Spike | 03/27/19 |

Batch ID: BC91374 **Preparation Method:** EPA 3015A **Prepared By:** SY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09 | FB_3.26.19 | 03/27/19 |
| BC91374-BLK1 | Blank | 03/27/19 |
| BC91374-BS1 | LCS | 03/27/19 |
| BC91374-DUP1 | Duplicate | 03/27/19 |
| BC91374-MS1 | Matrix Spike | 03/27/19 |

Batch ID: BC91444 **Preparation Method:** EPA 7473 water **Prepared By:** SY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09 | FB_3.26.19 | 03/28/19 |
| BC91444-BLK1 | Blank | 03/28/19 |
| BC91444-SRM1 | Reference | 03/28/19 |

Batch ID: BC91471 **Preparation Method:** EPA 5035A **Prepared By:** TMP

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/28/19 |
| 19C1079-02 | WC-5B (6-12) | 03/28/19 |
| 19C1079-03 | WC-6A (0-6) | 03/28/19 |
| 19C1079-04 | WC-6B (6-12) | 03/28/19 |
| 19C1079-05 | WC-7A (0-6) | 03/28/19 |
| 19C1079-06 | WC-7B (6-12) | 03/28/19 |
| 19C1079-07 | Dup_3.26.19 | 03/28/19 |
| BC91471-BLK1 | Blank | 03/28/19 |
| BC91471-BLK2 | Blank | 03/28/19 |
| BC91471-BS1 | LCS | 03/28/19 |
| BC91471-BSD1 | LCS Dup | 03/28/19 |

Batch ID: BC91495 **Preparation Method:** Analysis Preparation **Prepared By:** AA

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/28/19 |
| 19C1079-02 | WC-5B (6-12) | 03/28/19 |
| 19C1079-03 | WC-6A (0-6) | 03/28/19 |
| 19C1079-04 | WC-6B (6-12) | 03/28/19 |
| 19C1079-05 | WC-7A (0-6) | 03/28/19 |
| 19C1079-06 | WC-7B (6-12) | 03/28/19 |
| 19C1079-07 | Dup_3.26.19 | 03/28/19 |



Batch ID: BC91498 **Preparation Method:** EPA SW 846-1311 TCLP ZHE for VO **Prepared By:** TAJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/28/19 |
| 19C1079-02 | WC-5B (6-12) | 03/28/19 |
| 19C1079-03 | WC-6A (0-6) | 03/28/19 |
| 19C1079-04 | WC-6B (6-12) | 03/28/19 |
| BC91498-BLK1 | Blank | 03/28/19 |

Batch ID: BC91499 **Preparation Method:** EPA SW 846-1311 TCLP extr. for SV(**Prepared By:** TAJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/28/19 |
| 19C1079-02 | WC-5B (6-12) | 03/28/19 |
| 19C1079-03 | WC-6A (0-6) | 03/28/19 |
| 19C1079-04 | WC-6B (6-12) | 03/28/19 |
| 19C1079-05 | WC-7A (0-6) | 03/28/19 |
| 19C1079-06 | WC-7B (6-12) | 03/28/19 |
| 19C1079-07 | Dup_3.26.19 | 03/28/19 |
| BC91499-BLK1 | Blank | 03/28/19 |

Batch ID: BC91500 **Preparation Method:** EPA SW 846-1311 TCLP ext. for meta **Prepared By:** TAJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/28/19 |
| 19C1079-02 | WC-5B (6-12) | 03/28/19 |
| 19C1079-03 | WC-6A (0-6) | 03/28/19 |
| 19C1079-04 | WC-6B (6-12) | 03/28/19 |
| 19C1079-05 | WC-7A (0-6) | 03/28/19 |
| 19C1079-06 | WC-7B (6-12) | 03/28/19 |
| 19C1079-07 | Dup_3.26.19 | 03/28/19 |
| BC91500-BLK1 | Blank | 03/28/19 |

Batch ID: BC91504 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JTV

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/29/19 |
| 19C1079-02 | WC-5B (6-12) | 03/29/19 |
| 19C1079-03 | WC-6A (0-6) | 03/29/19 |
| 19C1079-04 | WC-6B (6-12) | 03/29/19 |
| 19C1079-05 | WC-7A (0-6) | 03/29/19 |
| 19C1079-06 | WC-7B (6-12) | 03/29/19 |
| 19C1079-07 | Dup_3.26.19 | 03/29/19 |
| BC91504-BLK1 | Blank | 03/29/19 |
| BC91504-SRM1 | Reference | 03/29/19 |



Batch ID: BC91535

Preparation Method: EPA 5030B/1311

Prepared By: AB

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|-------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/29/19 |
| 19C1079-02 | WC-5B (6-12) | 03/29/19 |
| 19C1079-03 | WC-6A (0-6) | 03/29/19 |
| 19C1079-04 | WC-6B (6-12) | 03/29/19 |
| BC91535-BLK1 | Blank | 03/29/19 |
| BC91535-BS1 | LCS | 03/29/19 |
| BC91535-BSD1 | LCS Dup | 03/29/19 |
| BC91535-DUP1 | Duplicate | 03/29/19 |
| BC91535-LBK1 | Leach Fluid Blank | 03/29/19 |

Batch ID: BC91563

Preparation Method: Analysis Preparation

Prepared By: JTV

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/29/19 |
| 19C1079-02 | WC-5B (6-12) | 03/29/19 |
| 19C1079-03 | WC-6A (0-6) | 03/29/19 |
| 19C1079-04 | WC-6B (6-12) | 03/29/19 |
| 19C1079-05 | WC-7A (0-6) | 03/29/19 |
| 19C1079-06 | WC-7B (6-12) | 03/29/19 |
| 19C1079-07 | Dup_3.26.19 | 03/29/19 |

Batch ID: BC91564

Preparation Method: Analysis Preparation

Prepared By: JTV

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/29/19 |
| 19C1079-02 | WC-5B (6-12) | 03/29/19 |
| 19C1079-03 | WC-6A (0-6) | 03/29/19 |
| 19C1079-04 | WC-6B (6-12) | 03/29/19 |
| 19C1079-05 | WC-7A (0-6) | 03/29/19 |
| 19C1079-06 | WC-7B (6-12) | 03/29/19 |
| 19C1079-07 | Dup_3.26.19 | 03/29/19 |

Batch ID: BC91576

Preparation Method: EPA 3015A/1311

Prepared By: SY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|-------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 03/29/19 |
| 19C1079-02 | WC-5B (6-12) | 03/29/19 |
| 19C1079-03 | WC-6A (0-6) | 03/29/19 |
| 19C1079-04 | WC-6B (6-12) | 03/29/19 |
| 19C1079-05 | WC-7A (0-6) | 03/29/19 |
| 19C1079-06 | WC-7B (6-12) | 03/29/19 |
| 19C1079-07 | Dup_3.26.19 | 03/29/19 |
| BC91576-BLK1 | Blank | 03/29/19 |
| BC91576-BS1 | LCS | 03/29/19 |
| BC91576-LBK1 | Leach Fluid Blank | 03/29/19 |



Batch ID: BD90002

Preparation Method: EPA 3510C/1311

Prepared By: CTD

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|-------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/01/19 |
| 19C1079-02 | WC-5B (6-12) | 04/01/19 |
| 19C1079-03 | WC-6A (0-6) | 04/01/19 |
| 19C1079-04 | WC-6B (6-12) | 04/01/19 |
| 19C1079-05 | WC-7A (0-6) | 04/01/19 |
| 19C1079-06 | WC-7B (6-12) | 04/01/19 |
| 19C1079-07 | Dup_3.26.19 | 04/01/19 |
| BD90002-BLK1 | Blank | 04/01/19 |
| BD90002-BS1 | LCS | 04/01/19 |
| BD90002-BSD1 | LCS Dup | 04/01/19 |
| BD90002-DUP1 | Duplicate | 04/01/19 |
| BD90002-LBK1 | Leach Fluid Blank | 04/01/19 |

Batch ID: BD90016

Preparation Method: EPA 7473 water

Prepared By: SY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|-------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/01/19 |
| 19C1079-02 | WC-5B (6-12) | 04/01/19 |
| 19C1079-03 | WC-6A (0-6) | 04/01/19 |
| 19C1079-04 | WC-6B (6-12) | 04/01/19 |
| 19C1079-05 | WC-7A (0-6) | 04/01/19 |
| 19C1079-06 | WC-7B (6-12) | 04/01/19 |
| 19C1079-07 | Dup_3.26.19 | 04/01/19 |
| BD90016-BLK1 | Blank | 04/01/19 |
| BD90016-LBK1 | Leach Fluid Blank | 04/01/19 |
| BD90016-SRM1 | Reference | 04/01/19 |

Batch ID: BD90017

Preparation Method: EPA 3510C/1311

Prepared By: CTD

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/01/19 |
| 19C1079-02 | WC-5B (6-12) | 04/01/19 |
| 19C1079-03 | WC-6A (0-6) | 04/01/19 |
| 19C1079-04 | WC-6B (6-12) | 04/01/19 |
| 19C1079-05 | WC-7A (0-6) | 04/01/19 |
| 19C1079-06 | WC-7B (6-12) | 04/01/19 |
| 19C1079-07 | Dup_3.26.19 | 04/01/19 |
| BD90017-BLK1 | Blank | 04/01/19 |
| BD90017-BS1 | LCS | 04/01/19 |
| BD90017-BSD1 | LCS Dup | 04/01/19 |
| BD90017-DUP1 | Duplicate | 04/01/19 |

Batch ID: BD90021

Preparation Method: Analysis Preparation

Prepared By: TJM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/01/19 |
| 19C1079-02 | WC-5B (6-12) | 04/01/19 |



| | | |
|--------------|--------------|----------|
| 19C1079-03 | WC-6A (0-6) | 04/01/19 |
| 19C1079-04 | WC-6B (6-12) | 04/01/19 |
| 19C1079-05 | WC-7A (0-6) | 04/01/19 |
| 19C1079-06 | WC-7B (6-12) | 04/01/19 |
| 19C1079-07 | Dup_3.26.19 | 04/01/19 |
| BD90021-DUP1 | Duplicate | 04/01/19 |

Batch ID: BD90040 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** CTD

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09 | FB_3.26.19 | 04/01/19 |
| BD90040-BLK1 | Blank | 04/01/19 |
| BD90040-BS1 | LCS | 04/01/19 |
| BD90040-BSD1 | LCS Dup | 04/01/19 |

Batch ID: BD90041 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** CTD

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09 | FB_3.26.19 | 04/01/19 |
| 19C1079-09 | FB_3.26.19 | 04/01/19 |
| BD90041-BLK1 | Blank | 04/01/19 |
| BD90041-BLK2 | Blank | 04/01/19 |
| BD90041-BS1 | LCS | 04/01/19 |
| BD90041-BS2 | LCS | 04/01/19 |
| BD90041-BSD1 | LCS Dup | 04/01/19 |
| BD90041-BSD2 | LCS Dup | 04/01/19 |

Batch ID: BD90042 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09 | FB_3.26.19 | 04/01/19 |
| BD90042-BLK1 | Blank | 04/01/19 |
| BD90042-BS1 | LCS | 04/01/19 |
| BD90042-BSD1 | LCS Dup | 04/01/19 |

Batch ID: BD90054 **Preparation Method:** EPA 3545A **Prepared By:** SGM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/02/19 |
| 19C1079-02 | WC-5B (6-12) | 04/02/19 |
| 19C1079-03 | WC-6A (0-6) | 04/02/19 |
| 19C1079-04 | WC-6B (6-12) | 04/02/19 |
| 19C1079-05 | WC-7A (0-6) | 04/02/19 |
| 19C1079-06 | WC-7B (6-12) | 04/02/19 |
| 19C1079-07 | Dup_3.26.19 | 04/02/19 |
| BD90054-BLK1 | Blank | 04/02/19 |
| BD90054-BS1 | LCS | 04/02/19 |
| BD90054-BSD1 | LCS Dup | 04/02/19 |



Batch ID: BD90056 **Preparation Method:** % Solids Prep **Prepared By:** MAC

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/01/19 |
| 19C1079-02 | WC-5B (6-12) | 04/01/19 |
| 19C1079-03 | WC-6A (0-6) | 04/01/19 |
| 19C1079-04 | WC-6B (6-12) | 04/01/19 |
| 19C1079-05 | WC-7A (0-6) | 04/01/19 |
| 19C1079-06 | WC-7B (6-12) | 04/01/19 |
| 19C1079-07 | Dup_3.26.19 | 04/01/19 |

Batch ID: BD90057 **Preparation Method:** EPA 3510C **Prepared By:** CTD

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09 | FB_3.26.19 | 04/01/19 |
| BD90057-BLK1 | Blank | 04/01/19 |
| BD90057-BLK2 | Blank | 04/01/19 |
| BD90057-BS1 | LCS | 04/01/19 |
| BD90057-BS2 | LCS | 04/01/19 |
| BD90057-BSD1 | LCS Dup | 04/01/19 |

Batch ID: BD90060 **Preparation Method:** EPA SW 846-1311 TCLP ZHE for VO **Prepared By:** TAJ

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-05 | WC-7A (0-6) | 04/01/19 |
| 19C1079-06 | WC-7B (6-12) | 04/01/19 |
| 19C1079-07 | Dup_3.26.19 | 04/01/19 |
| BD90060-BLK1 | Blank | 04/01/19 |

Batch ID: BD90075 **Preparation Method:** Analysis Preparation **Prepared By:** JTV

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09 | FB_3.26.19 | 04/02/19 |
| BD90075-BLK1 | Blank | 04/02/19 |
| BD90075-BS1 | LCS | 04/02/19 |

Batch ID: BD90086 **Preparation Method:** EPA 5030B/1311 **Prepared By:** RDS

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-05 | WC-7A (0-6) | 04/02/19 |
| 19C1079-06 | WC-7B (6-12) | 04/02/19 |
| 19C1079-07 | Dup_3.26.19 | 04/02/19 |
| BD90086-BLK1 | Blank | 04/02/19 |
| BD90086-BS1 | LCS | 04/02/19 |
| BD90086-BSD1 | LCS Dup | 04/02/19 |



Batch ID: BD90090

Preparation Method: EPA 7473 soil

Prepared By: SY

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/02/19 |
| 19C1079-02 | WC-5B (6-12) | 04/02/19 |
| 19C1079-03 | WC-6A (0-6) | 04/02/19 |
| 19C1079-04 | WC-6B (6-12) | 04/02/19 |
| 19C1079-05 | WC-7A (0-6) | 04/02/19 |
| 19C1079-06 | WC-7B (6-12) | 04/02/19 |
| 19C1079-07 | Dup_3.26.19 | 04/02/19 |
| BD90090-BLK1 | Blank | 04/02/19 |
| BD90090-SRM1 | Reference | 04/02/19 |

Batch ID: BD90094

Preparation Method: EPA 3550B/8151A

Prepared By: SGM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/02/19 |
| 19C1079-02 | WC-5B (6-12) | 04/02/19 |
| 19C1079-03 | WC-6A (0-6) | 04/02/19 |
| 19C1079-04 | WC-6B (6-12) | 04/02/19 |
| 19C1079-05 | WC-7A (0-6) | 04/02/19 |
| 19C1079-06 | WC-7B (6-12) | 04/02/19 |
| 19C1079-07 | Dup_3.26.19 | 04/02/19 |
| BD90094-BLK1 | Blank | 04/02/19 |
| BD90094-BS1 | LCS | 04/02/19 |

Batch ID: BD90095

Preparation Method: EPA 3535A/1311

Prepared By: SGM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/02/19 |
| 19C1079-02 | WC-5B (6-12) | 04/02/19 |
| 19C1079-03 | WC-6A (0-6) | 04/02/19 |
| 19C1079-04 | WC-6B (6-12) | 04/02/19 |
| 19C1079-05 | WC-7A (0-6) | 04/02/19 |
| 19C1079-06 | WC-7B (6-12) | 04/02/19 |
| 19C1079-07 | Dup_3.26.19 | 04/02/19 |
| BD90095-BLK1 | Blank | 04/02/19 |
| BD90095-BS1 | LCS | 04/02/19 |
| BD90095-BSD1 | LCS Dup | 04/02/19 |
| BD90095-DUP1 | Duplicate | 04/02/19 |

Batch ID: BD90097

Preparation Method: EPA 3550C

Prepared By: LM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/02/19 |
| 19C1079-01 | WC-5A (0-6) | 04/02/19 |
| 19C1079-02 | WC-5B (6-12) | 04/02/19 |
| 19C1079-02 | WC-5B (6-12) | 04/02/19 |
| 19C1079-03 | WC-6A (0-6) | 04/02/19 |
| 19C1079-03 | WC-6A (0-6) | 04/02/19 |



| | | |
|--------------|--------------|----------|
| 19C1079-04 | WC-6B (6-12) | 04/02/19 |
| 19C1079-04 | WC-6B (6-12) | 04/02/19 |
| 19C1079-05 | WC-7A (0-6) | 04/02/19 |
| 19C1079-05 | WC-7A (0-6) | 04/02/19 |
| 19C1079-06 | WC-7B (6-12) | 04/02/19 |
| 19C1079-06 | WC-7B (6-12) | 04/02/19 |
| 19C1079-07 | Dup_3.26.19 | 04/02/19 |
| 19C1079-07 | Dup_3.26.19 | 04/02/19 |
| BD90097-BLK1 | Blank | 04/02/19 |
| BD90097-BLK2 | Blank | 04/02/19 |
| BD90097-BS1 | LCS | 04/02/19 |
| BD90097-BS2 | LCS | 04/02/19 |

Batch ID: BD90100 **Preparation Method:** EPA 3535A **Prepared By:** SGM

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09 | FB_3.26.19 | 04/02/19 |
| BD90100-BLK1 | Blank | 04/02/19 |
| BD90100-BS1 | LCS | 04/02/19 |
| BD90100-BSD1 | LCS Dup | 04/02/19 |

Batch ID: BD90108 **Preparation Method:** EPA 3550C **Prepared By:** TMP

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-01 | WC-5A (0-6) | 04/02/19 |
| 19C1079-01RE1 | WC-5A (0-6) | 04/02/19 |
| 19C1079-02 | WC-5B (6-12) | 04/02/19 |
| 19C1079-02RE1 | WC-5B (6-12) | 04/02/19 |
| 19C1079-03 | WC-6A (0-6) | 04/02/19 |
| 19C1079-03RE1 | WC-6A (0-6) | 04/02/19 |
| 19C1079-04 | WC-6B (6-12) | 04/02/19 |
| 19C1079-05 | WC-7A (0-6) | 04/02/19 |
| 19C1079-06 | WC-7B (6-12) | 04/02/19 |
| 19C1079-07 | Dup_3.26.19 | 04/02/19 |
| 19C1079-07RE1 | Dup_3.26.19 | 04/02/19 |
| BD90108-BLK1 | Blank | 04/02/19 |
| BD90108-BS1 | LCS | 04/02/19 |

Batch ID: BD90227 **Preparation Method:** EPA 3510C **Prepared By:** CTD

| YORK Sample ID | Client Sample ID | Preparation Date |
|----------------|------------------|------------------|
| 19C1079-09RE1 | FB_3.26.19 | 04/04/19 |
| BD90227-BLK1 | Blank | 04/04/19 |
| BD90227-BLK2 | Blank | 04/04/19 |
| BD90227-BS1 | LCS | 04/04/19 |
| BD90227-BS2 | LCS | 04/04/19 |
| BD90227-BSD1 | LCS Dup | 04/04/19 |



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 BC91297 - EPA 5030B

Blank (BC91297-BLK1)

Prepared & Analyzed: 03/28/2019

| | | | |
|---|----|-------|------|
| 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 | Units | Spike Level | Source* | %REC | %REC Limits | Flag | RPD | RPD | Flag |
|---------|--------|-----------|-------|----------------|---------|------|----------------|------|-----|-------|------|
| | | Limit | | | Result | | | | | Limit | |

Batch BC91297 - EPA 5030B

Blank (BC91297-BLK1)

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | | |
|---|-------------|-------|----------|-------------|--|-------------|---------------|--|--|--|--|
| Hexachlorobutadiene | ND | 0.500 | ug/L | | | | | | | | |
| Isopropylbenzene | ND | 0.500 | " | | | | | | | | |
| Methyl acetate | ND | 0.500 | " | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.500 | " | | | | | | | | |
| Methylcyclohexane | ND | 0.500 | " | | | | | | | | |
| Methylene chloride | ND | 2.00 | " | | | | | | | | |
| n-Butylbenzene | ND | 0.500 | " | | | | | | | | |
| n-Propylbenzene | ND | 0.500 | " | | | | | | | | |
| o-Xylene | ND | 0.500 | " | | | | | | | | |
| p- & m- Xylenes | ND | 1.00 | " | | | | | | | | |
| p-Isopropyltoluene | ND | 0.500 | " | | | | | | | | |
| sec-Butylbenzene | ND | 0.500 | " | | | | | | | | |
| Styrene | ND | 0.500 | " | | | | | | | | |
| tert-Butyl alcohol (TBA) | ND | 1.00 | " | | | | | | | | |
| tert-Butylbenzene | ND | 0.500 | " | | | | | | | | |
| Tetrachloroethylene | ND | 0.500 | " | | | | | | | | |
| Toluene | ND | 0.500 | " | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.500 | " | | | | | | | | |
| trans-1,3-Dichloropropylene | ND | 0.500 | " | | | | | | | | |
| Trichloroethylene | ND | 0.500 | " | | | | | | | | |
| Trichlorofluoromethane | ND | 0.500 | " | | | | | | | | |
| Vinyl acetate | ND | 0.500 | " | | | | | | | | |
| Vinyl Chloride | ND | 0.500 | " | | | | | | | | |
| Xylenes, Total | ND | 1.50 | " | | | | | | | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | <i>10.6</i> | | <i>"</i> | <i>10.0</i> | | <i>106</i> | <i>70-130</i> | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | <i>9.96</i> | | <i>"</i> | <i>10.0</i> | | <i>99.6</i> | <i>70-130</i> | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | <i>11.0</i> | | <i>"</i> | <i>10.0</i> | | <i>110</i> | <i>70-130</i> | | | | |



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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---|--------|-----------------|-------|-------------|----------------|------|-------------|----------|-----|-----------|------|
| Batch BC91297 - EPA 5030B | | | | | | | | | | | |
| LCS (BC91297-BS1) | | | | | | | | | | | |
| Prepared & Analyzed: 03/28/2019 | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 8.57 | | ug/L | 10.0 | | 85.7 | 82-126 | | | 30 | |
| 1,1,1-Trichloroethane | 11.4 | | " | 10.0 | | 114 | 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) | 11.6 | | " | 10.0 | | 116 | 70-130 | | | 20 | |
| 1,1,2-Trichloroethane | 8.91 | | " | 10.0 | | 89.1 | 70-130 | | | 20 | |
| 1,1-Dichloroethane | 11.2 | | " | 10.0 | | 112 | 70-130 | | | 20 | |
| 1,1-Dichloroethylene | 10.8 | | " | 10.0 | | 108 | 70-130 | | | 20 | |
| 1,1-Dichloropropylene | 10.8 | | " | 10.0 | | 108 | 83-133 | | | 30 | |
| 1,2,3-Trichlorobenzene | 8.08 | | " | 10.0 | | 80.8 | 70-130 | | | 20 | |
| 1,2,3-Trichloropropane | 11.0 | | " | 10.0 | | 110 | 77-128 | | | 30 | |
| 1,2,4-Trichlorobenzene | 8.43 | | " | 10.0 | | 84.3 | 70-130 | | | 20 | |
| 1,2,4-Trimethylbenzene | 10.0 | | " | 10.0 | | 100 | 82-132 | | | 20 | |
| 1,2-Dibromo-3-chloropropane | 9.60 | | " | 10.0 | | 96.0 | 40-160 | | | 20 | |
| 1,2-Dibromoethane | 9.10 | | " | 10.0 | | 91.0 | 70-130 | | | 20 | |
| 1,2-Dichlorobenzene | 10.2 | | " | 10.0 | | 102 | 70-130 | | | 20 | |
| 1,2-Dichloroethane | 10.7 | | " | 10.0 | | 107 | 70-130 | | | 20 | |
| 1,2-Dichloropropane | 9.34 | | " | 10.0 | | 93.4 | 70-130 | | | 20 | |
| 1,3,5-Trimethylbenzene | 10.2 | | " | 10.0 | | 102 | 80-131 | | | 30 | |
| 1,3-Dichlorobenzene | 9.65 | | " | 10.0 | | 96.5 | 70-130 | | | 20 | |
| 1,3-Dichloropropane | 9.11 | | " | 10.0 | | 91.1 | 81-125 | | | 30 | |
| 1,4-Dichlorobenzene | 9.82 | | " | 10.0 | | 98.2 | 70-130 | | | 20 | |
| 1,4-Dioxane | 45.9 | | " | 210 | | 21.9 | 40-160 | Low Bias | | 20 | |
| 2,2-Dichloropropane | 12.4 | | " | 10.0 | | 124 | 56-150 | | | 30 | |
| 2-Butanone | 9.64 | | " | 10.0 | | 96.4 | 40-160 | | | 20 | |
| 2-Chlorotoluene | 10.9 | | " | 10.0 | | 109 | 79-130 | | | 30 | |
| 2-Hexanone | 9.32 | | " | 10.0 | | 93.2 | 40-160 | | | 20 | |
| 4-Chlorotoluene | 10.4 | | " | 10.0 | | 104 | 79-128 | | | 30 | |
| 4-Methyl-2-pentanone | 9.63 | | " | 10.0 | | 96.3 | 40-160 | | | 20 | |
| Acetone | 9.31 | | " | 10.0 | | 93.1 | 40-160 | | | 20 | |
| Acrolein | 8.57 | | " | 10.0 | | 85.7 | 10-153 | | | 30 | |
| Acrylonitrile | 10.2 | | " | 10.0 | | 102 | 51-150 | | | 30 | |
| Benzene | 10.7 | | " | 10.0 | | 107 | 70-130 | | | 20 | |
| Bromobenzene | 10.6 | | " | 10.0 | | 106 | 78-129 | | | 30 | |
| Bromochloromethane | 10.9 | | " | 10.0 | | 109 | 70-130 | | | 20 | |
| Bromodichloromethane | 9.29 | | " | 10.0 | | 92.9 | 70-130 | | | 20 | |
| Bromoform | 6.52 | | " | 10.0 | | 65.2 | 70-130 | Low Bias | | 20 | |
| Bromomethane | 5.23 | | " | 10.0 | | 52.3 | 40-160 | | | 20 | |
| Carbon disulfide | 10.5 | | " | 10.0 | | 105 | 40-160 | | | 20 | |
| Carbon tetrachloride | 10.2 | | " | 10.0 | | 102 | 70-130 | | | 20 | |
| Chlorobenzene | 9.42 | | " | 10.0 | | 94.2 | 70-130 | | | 20 | |
| Chloroethane | 9.56 | | " | 10.0 | | 95.6 | 40-160 | | | 20 | |
| Chloroform | 10.9 | | " | 10.0 | | 109 | 70-130 | | | 20 | |
| Chloromethane | 8.67 | | " | 10.0 | | 86.7 | 40-160 | | | 20 | |
| cis-1,2-Dichloroethylene | 11.0 | | " | 10.0 | | 110 | 70-130 | | | 20 | |
| cis-1,3-Dichloropropylene | 9.07 | | " | 10.0 | | 90.7 | 70-130 | | | 20 | |
| Cyclohexane | 11.5 | | " | 10.0 | | 115 | 70-130 | | | 20 | |
| Dibromochloromethane | 8.17 | | " | 10.0 | | 81.7 | 70-130 | | | 20 | |
| Dibromomethane | 9.60 | | " | 10.0 | | 96.0 | 72-134 | | | 30 | |
| Dichlorodifluoromethane | 7.33 | | " | 10.0 | | 73.3 | 40-160 | | | 20 | |
| Ethyl Benzene | 10.1 | | " | 10.0 | | 101 | 70-130 | | | 20 | |
| Hexachlorobutadiene | 4.88 | | " | 10.0 | | 48.8 | 67-146 | Low Bias | | 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 BC91297 - EPA 5030B | | | | | | | | | | | |
| LCS (BC91297-BS1) | | | | | | | | | | | |
| Prepared & Analyzed: 03/28/2019 | | | | | | | | | | | |
| Isopropylbenzene | 11.2 | | ug/L | 10.0 | | 112 | 70-130 | | | 20 | |
| Methyl acetate | 9.02 | | " | 10.0 | | 90.2 | 70-130 | | | 20 | |
| Methyl tert-butyl ether (MTBE) | 10.2 | | " | 10.0 | | 102 | 70-130 | | | 20 | |
| Methylcyclohexane | 9.88 | | " | 10.0 | | 98.8 | 70-130 | | | 20 | |
| Methylene chloride | 11.6 | | " | 10.0 | | 116 | 70-130 | | | 20 | |
| n-Butylbenzene | 9.83 | | " | 10.0 | | 98.3 | 79-132 | | | 30 | |
| n-Propylbenzene | 11.0 | | " | 10.0 | | 110 | 78-133 | | | 30 | |
| o-Xylene | 9.57 | | " | 10.0 | | 95.7 | 70-130 | | | 20 | |
| p- & m- Xylenes | 20.3 | | " | 20.0 | | 101 | 70-130 | | | 20 | |
| p-Isopropyltoluene | 9.37 | | " | 10.0 | | 93.7 | 81-136 | | | 30 | |
| sec-Butylbenzene | 10.1 | | " | 10.0 | | 101 | 79-137 | | | 30 | |
| Styrene | 9.12 | | " | 10.0 | | 91.2 | 70-130 | | | 20 | |
| tert-Butyl alcohol (TBA) | 42.0 | | " | 50.0 | | 84.1 | 25-162 | | | 30 | |
| tert-Butylbenzene | 9.90 | | " | 10.0 | | 99.0 | 77-138 | | | 30 | |
| Tetrachloroethylene | 7.80 | | " | 10.0 | | 78.0 | 70-130 | | | 20 | |
| Toluene | 9.99 | | " | 10.0 | | 99.9 | 70-130 | | | 20 | |
| trans-1,2-Dichloroethylene | 10.6 | | " | 10.0 | | 106 | 70-130 | | | 20 | |
| trans-1,3-Dichloropropylene | 8.97 | | " | 10.0 | | 89.7 | 70-130 | | | 20 | |
| Trichloroethylene | 9.96 | | " | 10.0 | | 99.6 | 70-130 | | | 20 | |
| Trichlorofluoromethane | 9.55 | | " | 10.0 | | 95.5 | 40-160 | | | 20 | |
| Vinyl acetate | 11.9 | | " | 10.0 | | 119 | 21-90 | High Bias | | 30 | |
| Vinyl Chloride | 9.76 | | " | 10.0 | | 97.6 | 70-130 | | | 20 | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | <i>10.1</i> | | <i>"</i> | <i>10.0</i> | | <i>101</i> | <i>70-130</i> | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | <i>10.2</i> | | <i>"</i> | <i>10.0</i> | | <i>102</i> | <i>70-130</i> | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | <i>10.4</i> | | <i>"</i> | <i>10.0</i> | | <i>104</i> | <i>70-130</i> | | | | |
| LCS Dup (BC91297-BSD1) | | | | | | | | | | | |
| Prepared & Analyzed: 03/28/2019 | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 8.22 | | ug/L | 10.0 | | 82.2 | 82-126 | | 4.17 | 30 | |
| 1,1,1-Trichloroethane | 10.9 | | " | 10.0 | | 109 | 70-130 | | 4.59 | 20 | |
| 1,1,2,2-Tetrachloroethane | 10.8 | | " | 10.0 | | 108 | 70-130 | | 1.37 | 20 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 11.0 | | " | 10.0 | | 110 | 70-130 | | 5.30 | 20 | |
| 1,1,2-Trichloroethane | 8.73 | | " | 10.0 | | 87.3 | 70-130 | | 2.04 | 20 | |
| 1,1-Dichloroethane | 10.8 | | " | 10.0 | | 108 | 70-130 | | 3.19 | 20 | |
| 1,1-Dichloroethylene | 10.1 | | " | 10.0 | | 101 | 70-130 | | 6.49 | 20 | |
| 1,1-Dichloropropylene | 10.2 | | " | 10.0 | | 102 | 83-133 | | 5.93 | 30 | |
| 1,2,3-Trichlorobenzene | 8.19 | | " | 10.0 | | 81.9 | 70-130 | | 1.35 | 20 | |
| 1,2,3-Trichloropropane | 11.0 | | " | 10.0 | | 110 | 77-128 | | 0.909 | 30 | |
| 1,2,4-Trichlorobenzene | 8.57 | | " | 10.0 | | 85.7 | 70-130 | | 1.65 | 20 | |
| 1,2,4-Trimethylbenzene | 9.98 | | " | 10.0 | | 99.8 | 82-132 | | 0.300 | 20 | |
| 1,2-Dibromo-3-chloropropane | 9.21 | | " | 10.0 | | 92.1 | 40-160 | | 4.15 | 20 | |
| 1,2-Dibromoethane | 8.97 | | " | 10.0 | | 89.7 | 70-130 | | 1.44 | 20 | |
| 1,2-Dichlorobenzene | 9.88 | | " | 10.0 | | 98.8 | 70-130 | | 2.99 | 20 | |
| 1,2-Dichloroethane | 10.8 | | " | 10.0 | | 108 | 70-130 | | 1.49 | 20 | |
| 1,2-Dichloropropane | 8.89 | | " | 10.0 | | 88.9 | 70-130 | | 4.94 | 20 | |
| 1,3,5-Trimethylbenzene | 10.3 | | " | 10.0 | | 103 | 80-131 | | 1.17 | 30 | |
| 1,3-Dichlorobenzene | 9.57 | | " | 10.0 | | 95.7 | 70-130 | | 0.832 | 20 | |
| 1,3-Dichloropropane | 8.88 | | " | 10.0 | | 88.8 | 81-125 | | 2.56 | 30 | |
| 1,4-Dichlorobenzene | 9.71 | | " | 10.0 | | 97.1 | 70-130 | | 1.13 | 20 | |
| 1,4-Dioxane | 46.4 | | " | 210 | | 22.1 | 40-160 | Low Bias | 0.953 | 20 | |
| 2,2-Dichloropropane | 11.4 | | " | 10.0 | | 114 | 56-150 | | 7.74 | 30 | |
| 2-Butanone | 8.91 | | " | 10.0 | | 89.1 | 40-160 | | 7.87 | 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 BC91297 - EPA 5030B | | | | | | | | | | | |
| LCS Dup (BC91297-BSD1) | | | | | | | | | | | |
| | | | | | | | | | | Prepared & Analyzed: 03/28/2019 | |
| 2-Chlorotoluene | 10.7 | | ug/L | 10.0 | | 107 | 79-130 | | 1.48 | 30 | |
| 2-Hexanone | 9.36 | | " | 10.0 | | 93.6 | 40-160 | | 0.428 | 20 | |
| 4-Chlorotoluene | 10.4 | | " | 10.0 | | 104 | 79-128 | | 0.0966 | 30 | |
| 4-Methyl-2-pentanone | 9.62 | | " | 10.0 | | 96.2 | 40-160 | | 0.104 | 20 | |
| Acetone | 9.19 | | " | 10.0 | | 91.9 | 40-160 | | 1.30 | 20 | |
| Acrolein | 8.43 | | " | 10.0 | | 84.3 | 10-153 | | 1.65 | 30 | |
| Acrylonitrile | 11.2 | | " | 10.0 | | 112 | 51-150 | | 9.60 | 30 | |
| Benzene | 10.4 | | " | 10.0 | | 104 | 70-130 | | 2.84 | 20 | |
| Bromobenzene | 10.2 | | " | 10.0 | | 102 | 78-129 | | 3.27 | 30 | |
| Bromochloromethane | 10.8 | | " | 10.0 | | 108 | 70-130 | | 0.737 | 20 | |
| Bromodichloromethane | 8.88 | | " | 10.0 | | 88.8 | 70-130 | | 4.51 | 20 | |
| Bromoform | 6.58 | | " | 10.0 | | 65.8 | 70-130 | Low Bias | 0.916 | 20 | |
| Bromomethane | 5.54 | | " | 10.0 | | 55.4 | 40-160 | | 5.76 | 20 | |
| Carbon disulfide | 9.96 | | " | 10.0 | | 99.6 | 40-160 | | 5.47 | 20 | |
| Carbon tetrachloride | 9.72 | | " | 10.0 | | 97.2 | 70-130 | | 5.11 | 20 | |
| Chlorobenzene | 8.92 | | " | 10.0 | | 89.2 | 70-130 | | 5.45 | 20 | |
| Chloroethane | 8.82 | | " | 10.0 | | 88.2 | 40-160 | | 8.05 | 20 | |
| Chloroform | 10.6 | | " | 10.0 | | 106 | 70-130 | | 3.17 | 20 | |
| Chloromethane | 8.21 | | " | 10.0 | | 82.1 | 40-160 | | 5.45 | 20 | |
| cis-1,2-Dichloroethylene | 10.6 | | " | 10.0 | | 106 | 70-130 | | 3.89 | 20 | |
| cis-1,3-Dichloropropylene | 8.79 | | " | 10.0 | | 87.9 | 70-130 | | 3.14 | 20 | |
| Cyclohexane | 10.9 | | " | 10.0 | | 109 | 70-130 | | 5.62 | 20 | |
| Dibromochloromethane | 8.03 | | " | 10.0 | | 80.3 | 70-130 | | 1.73 | 20 | |
| Dibromomethane | 9.22 | | " | 10.0 | | 92.2 | 72-134 | | 4.04 | 30 | |
| Dichlorodifluoromethane | 6.54 | | " | 10.0 | | 65.4 | 40-160 | | 11.4 | 20 | |
| Ethyl Benzene | 9.63 | | " | 10.0 | | 96.3 | 70-130 | | 4.96 | 20 | |
| Hexachlorobutadiene | 5.42 | | " | 10.0 | | 54.2 | 67-146 | Low Bias | 10.5 | 30 | |
| Isopropylbenzene | 11.1 | | " | 10.0 | | 111 | 70-130 | | 1.61 | 20 | |
| Methyl acetate | 9.21 | | " | 10.0 | | 92.1 | 70-130 | | 2.08 | 20 | |
| Methyl tert-butyl ether (MTBE) | 10.3 | | " | 10.0 | | 103 | 70-130 | | 0.586 | 20 | |
| Methylcyclohexane | 9.27 | | " | 10.0 | | 92.7 | 70-130 | | 6.37 | 20 | |
| Methylene chloride | 11.5 | | " | 10.0 | | 115 | 70-130 | | 1.39 | 20 | |
| n-Butylbenzene | 10.5 | | " | 10.0 | | 105 | 79-132 | | 6.40 | 30 | |
| n-Propylbenzene | 11.0 | | " | 10.0 | | 110 | 78-133 | | 0.637 | 30 | |
| o-Xylene | 9.21 | | " | 10.0 | | 92.1 | 70-130 | | 3.83 | 20 | |
| p- & m- Xylenes | 19.3 | | " | 20.0 | | 96.7 | 70-130 | | 4.65 | 20 | |
| p-Isopropyltoluene | 9.87 | | " | 10.0 | | 98.7 | 81-136 | | 5.20 | 30 | |
| sec-Butylbenzene | 10.7 | | " | 10.0 | | 107 | 79-137 | | 5.39 | 30 | |
| Styrene | 8.81 | | " | 10.0 | | 88.1 | 70-130 | | 3.46 | 20 | |
| tert-Butyl alcohol (TBA) | 44.9 | | " | 50.0 | | 89.8 | 25-162 | | 6.53 | 30 | |
| tert-Butylbenzene | 10.3 | | " | 10.0 | | 103 | 77-138 | | 4.35 | 30 | |
| Tetrachloroethylene | 7.21 | | " | 10.0 | | 72.1 | 70-130 | | 7.86 | 20 | |
| Toluene | 9.23 | | " | 10.0 | | 92.3 | 70-130 | | 7.91 | 20 | |
| trans-1,2-Dichloroethylene | 9.87 | | " | 10.0 | | 98.7 | 70-130 | | 7.13 | 20 | |
| trans-1,3-Dichloropropylene | 8.60 | | " | 10.0 | | 86.0 | 70-130 | | 4.21 | 20 | |
| Trichloroethylene | 9.03 | | " | 10.0 | | 90.3 | 70-130 | | 9.79 | 20 | |
| Trichlorofluoromethane | 8.90 | | " | 10.0 | | 89.0 | 40-160 | | 7.05 | 20 | |
| Vinyl acetate | 12.0 | | " | 10.0 | | 120 | 21-90 | High Bias | 0.335 | 30 | |
| Vinyl Chloride | 8.64 | | " | 10.0 | | 86.4 | 70-130 | | 12.2 | 20 | |
| Surrogate: Surr: 1,2-Dichloroethane-d4 | 10.2 | | " | 10.0 | | 102 | 70-130 | | | | |
| Surrogate: Surr: Toluene-d8 | 9.87 | | " | 10.0 | | 98.7 | 70-130 | | | | |



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

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

Batch BC91297 - EPA 5030B

LCS Dup (BC91297-BSD1)

Prepared & Analyzed: 03/28/2019

Surrogate: *SURR: p-Bromofluorobenzene* 11.0 ug/L 10.0 110 70-130

Batch BC91471 - EPA 5035A

Blank (BC91471-BLK1)

Prepared & Analyzed: 03/28/2019

| | | | |
|---|----|--------|-----------|
| 1,1,1,2-Tetrachloroethane | ND | 0.0050 | mg/kg wet |
| 1,1,1-Trichloroethane | ND | 0.0050 | " |
| 1,1,2,2-Tetrachloroethane | ND | 0.0050 | " |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | 0.0050 | " |
| 1,1,2-Trichloroethane | ND | 0.0050 | " |
| 1,1-Dichloroethane | ND | 0.0050 | " |
| 1,1-Dichloroethylene | ND | 0.0050 | " |
| 1,1-Dichloropropylene | ND | 0.0050 | " |
| 1,2,3-Trichlorobenzene | ND | 0.0050 | " |
| 1,2,3-Trichloropropane | ND | 0.0050 | " |
| 1,2,4-Trichlorobenzene | ND | 0.0050 | " |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | " |
| 1,2-Dibromo-3-chloropropane | ND | 0.0050 | " |
| 1,2-Dibromoethane | ND | 0.0050 | " |
| 1,2-Dichlorobenzene | ND | 0.0050 | " |
| 1,2-Dichloroethane | ND | 0.0050 | " |
| 1,2-Dichloropropane | ND | 0.0050 | " |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | " |
| 1,3-Dichlorobenzene | ND | 0.0050 | " |
| 1,3-Dichloropropane | ND | 0.0050 | " |
| 1,4-Dichlorobenzene | ND | 0.0050 | " |
| 1,4-Dioxane | ND | 0.10 | " |
| 2,2-Dichloropropane | ND | 0.0050 | " |
| 2-Butanone | ND | 0.0050 | " |
| 2-Chlorotoluene | ND | 0.0050 | " |
| 2-Hexanone | ND | 0.0050 | " |
| 4-Chlorotoluene | ND | 0.0050 | " |
| 4-Methyl-2-pentanone | ND | 0.0050 | " |
| Acetone | ND | 0.010 | " |
| Acrolein | ND | 0.010 | " |
| Acrylonitrile | ND | 0.0050 | " |
| Benzene | ND | 0.0050 | " |
| Bromobenzene | ND | 0.0050 | " |
| Bromochloromethane | ND | 0.0050 | " |
| Bromodichloromethane | ND | 0.0050 | " |
| Bromoform | ND | 0.0050 | " |
| Bromomethane | ND | 0.0050 | " |
| Carbon disulfide | ND | 0.0050 | " |
| Carbon tetrachloride | ND | 0.0050 | " |
| Chlorobenzene | ND | 0.0050 | " |
| Chloroethane | ND | 0.0050 | " |
| Chloroform | ND | 0.0050 | " |
| Chloromethane | ND | 0.0050 | " |
| cis-1,2-Dichloroethylene | ND | 0.0050 | " |
| cis-1,3-Dichloropropylene | ND | 0.0050 | " |
| Cyclohexane | ND | 0.0050 | " |



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

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

Batch BC91471 - EPA 5035A

Blank (BC91471-BLK1)

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | | |
|---|------|--------|-----------|------|--|-----|--|--------|--|--|--|
| Dibromochloromethane | ND | 0.0050 | mg/kg wet | | | | | | | | |
| Dibromomethane | ND | 0.0050 | " | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.0050 | " | | | | | | | | |
| Ethyl Benzene | ND | 0.0050 | " | | | | | | | | |
| Hexachlorobutadiene | ND | 0.0050 | " | | | | | | | | |
| Isopropylbenzene | ND | 0.0050 | " | | | | | | | | |
| Methyl acetate | ND | 0.0050 | " | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.0050 | " | | | | | | | | |
| Methylcyclohexane | ND | 0.0050 | " | | | | | | | | |
| Methylene chloride | ND | 0.010 | " | | | | | | | | |
| n-Butylbenzene | ND | 0.0050 | " | | | | | | | | |
| n-Propylbenzene | ND | 0.0050 | " | | | | | | | | |
| o-Xylene | ND | 0.0050 | " | | | | | | | | |
| p- & m- Xylenes | ND | 0.010 | " | | | | | | | | |
| p-Isopropyltoluene | ND | 0.0050 | " | | | | | | | | |
| sec-Butylbenzene | ND | 0.0050 | " | | | | | | | | |
| Styrene | ND | 0.0050 | " | | | | | | | | |
| tert-Butyl alcohol (TBA) | ND | 0.0050 | " | | | | | | | | |
| tert-Butylbenzene | ND | 0.0050 | " | | | | | | | | |
| Tetrachloroethylene | ND | 0.0050 | " | | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.0050 | " | | | | | | | | |
| trans-1,3-Dichloropropylene | ND | 0.0050 | " | | | | | | | | |
| Trichloroethylene | ND | 0.0050 | " | | | | | | | | |
| Trichlorofluoromethane | ND | 0.0050 | " | | | | | | | | |
| Vinyl acetate | ND | 0.0050 | " | | | | | | | | |
| Vinyl Chloride | ND | 0.0050 | " | | | | | | | | |
| Xylenes, Total | ND | 0.015 | " | | | | | | | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | 55.2 | | ug/L | 50.0 | | 110 | | 77-125 | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | 51.9 | | " | 50.0 | | 104 | | 85-120 | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | 53.8 | | " | 50.0 | | 108 | | 76-130 | | | |



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC91471 - EPA 5035A

Blank (BC91471-BLK2)

Prepared & Analyzed: 03/28/2019

| | | | |
|---|----|--------|-----------|
| 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 | Spike | Source* | %REC | %REC | Limits | Flag | RPD | |
|---------|--------|-----------|-------|---------|------|------|--------|------|-------|-------|
| | | Limit | | | | | | | Units | Level |

Batch BC91471 - EPA 5035A

Blank (BC91471-BLK2)

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | |
|--|------|--------|-----------|------|--|-----|--------|--|--|--|
| Isopropylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Methyl acetate | ND | 0.0050 | " | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.0050 | " | | | | | | | |
| Methylcyclohexane | ND | 0.0050 | " | | | | | | | |
| Methylene chloride | ND | 0.010 | " | | | | | | | |
| n-Butylbenzene | ND | 0.0050 | " | | | | | | | |
| n-Propylbenzene | ND | 0.0050 | " | | | | | | | |
| o-Xylene | ND | 0.0050 | " | | | | | | | |
| p- & m- Xylenes | ND | 0.010 | " | | | | | | | |
| p-Isopropyltoluene | ND | 0.0050 | " | | | | | | | |
| sec-Butylbenzene | ND | 0.0050 | " | | | | | | | |
| Styrene | ND | 0.0050 | " | | | | | | | |
| tert-Butyl alcohol (TBA) | ND | 0.0050 | " | | | | | | | |
| tert-Butylbenzene | ND | 0.0050 | " | | | | | | | |
| Tetrachloroethylene | ND | 0.0050 | " | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.0050 | " | | | | | | | |
| trans-1,3-Dichloropropylene | ND | 0.0050 | " | | | | | | | |
| Trichloroethylene | ND | 0.0050 | " | | | | | | | |
| Trichlorofluoromethane | ND | 0.0050 | " | | | | | | | |
| Vinyl acetate | ND | 0.0050 | " | | | | | | | |
| Vinyl Chloride | ND | 0.0050 | " | | | | | | | |
| Xylenes, Total | ND | 0.015 | " | | | | | | | |
| <i>Surrogate: SURRE: 1,2-Dichloroethane-d4</i> | 56.0 | | ug/L | 50.0 | | 112 | 77-125 | | | |
| <i>Surrogate: SURRE: Toluene-d8</i> | 50.7 | | " | 50.0 | | 101 | 85-120 | | | |
| <i>Surrogate: SURRE: p-Bromofluorobenzene</i> | 52.4 | | " | 50.0 | | 105 | 76-130 | | | |

LCS (BC91471-BS1)

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|-----------|--|--|
| 1,1,1,2-Tetrachloroethane | 56.8 | | ug/L | 50.0 | | 114 | 75-129 | | | |
| 1,1,1-Trichloroethane | 61.6 | | " | 50.0 | | 123 | 71-137 | | | |
| 1,1,2,2-Tetrachloroethane | 60.7 | | " | 50.0 | | 121 | 79-129 | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 56.8 | | " | 50.0 | | 114 | 58-146 | | | |
| 1,1,2-Trichloroethane | 56.1 | | " | 50.0 | | 112 | 83-123 | | | |
| 1,1-Dichloroethane | 55.8 | | " | 50.0 | | 112 | 75-130 | | | |
| 1,1-Dichloroethylene | 53.2 | | " | 50.0 | | 106 | 64-137 | | | |
| 1,1-Dichloropropylene | 54.3 | | " | 50.0 | | 109 | 77-127 | | | |
| 1,2,3-Trichlorobenzene | 54.8 | | " | 50.0 | | 110 | 81-140 | | | |
| 1,2,3-Trichloropropane | 62.4 | | " | 50.0 | | 125 | 81-126 | | | |
| 1,2,4-Trichlorobenzene | 55.0 | | " | 50.0 | | 110 | 80-141 | | | |
| 1,2,4-Trimethylbenzene | 56.8 | | " | 50.0 | | 114 | 84-125 | | | |
| 1,2-Dibromo-3-chloropropane | 64.3 | | " | 50.0 | | 129 | 74-142 | | | |
| 1,2-Dibromoethane | 58.3 | | " | 50.0 | | 117 | 86-123 | | | |
| 1,2-Dichlorobenzene | 55.7 | | " | 50.0 | | 111 | 85-122 | | | |
| 1,2-Dichloroethane | 61.0 | | " | 50.0 | | 122 | 71-133 | | | |
| 1,2-Dichloropropane | 56.2 | | " | 50.0 | | 112 | 81-122 | | | |
| 1,3,5-Trimethylbenzene | 66.0 | | " | 50.0 | | 132 | 82-126 | High Bias | | |
| 1,3-Dichlorobenzene | 55.4 | | " | 50.0 | | 111 | 84-124 | | | |
| 1,3-Dichloropropane | 57.7 | | " | 50.0 | | 115 | 83-123 | | | |
| 1,4-Dichlorobenzene | 54.5 | | " | 50.0 | | 109 | 84-124 | | | |
| 1,4-Dioxane | 267 | | " | 1050 | | 25.5 | 10-228 | | | |
| 2,2-Dichloropropane | 58.2 | | " | 50.0 | | 116 | 67-136 | | | |



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC91471 - EPA 5035A

LCS (BC91471-BS1)

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | | |
|--|------|--|------|------|--|------|--------|----------|--|--|--|
| 2-Butanone | 50.8 | | ug/L | 50.0 | | 102 | 58-147 | | | | |
| 2-Chlorotoluene | 59.4 | | " | 50.0 | | 119 | 78-127 | | | | |
| 2-Hexanone | 58.8 | | " | 50.0 | | 118 | 70-139 | | | | |
| 4-Chlorotoluene | 57.4 | | " | 50.0 | | 115 | 79-125 | | | | |
| 4-Methyl-2-pentanone | 59.5 | | " | 50.0 | | 119 | 72-132 | | | | |
| Acetone | 42.0 | | " | 50.0 | | 83.9 | 36-155 | | | | |
| Acrolein | 67.2 | | " | 50.0 | | 134 | 10-238 | | | | |
| Acrylonitrile | 59.5 | | " | 50.0 | | 119 | 66-141 | | | | |
| Benzene | 54.3 | | " | 50.0 | | 109 | 77-127 | | | | |
| Bromobenzene | 22.1 | | " | 50.0 | | 44.1 | 77-129 | Low Bias | | | |
| Bromochloromethane | 58.6 | | " | 50.0 | | 117 | 74-129 | | | | |
| Bromodichloromethane | 60.6 | | " | 50.0 | | 121 | 81-124 | | | | |
| Bromoform | 58.0 | | " | 50.0 | | 116 | 80-136 | | | | |
| Bromomethane | 54.1 | | " | 50.0 | | 108 | 32-177 | | | | |
| Carbon disulfide | 50.5 | | " | 50.0 | | 101 | 10-136 | | | | |
| Carbon tetrachloride | 58.3 | | " | 50.0 | | 117 | 66-143 | | | | |
| Chlorobenzene | 54.7 | | " | 50.0 | | 109 | 86-120 | | | | |
| Chloroethane | 54.4 | | " | 50.0 | | 109 | 51-142 | | | | |
| Chloroform | 58.2 | | " | 50.0 | | 116 | 76-131 | | | | |
| Chloromethane | 39.6 | | " | 50.0 | | 79.2 | 49-132 | | | | |
| cis-1,2-Dichloroethylene | 55.0 | | " | 50.0 | | 110 | 74-132 | | | | |
| cis-1,3-Dichloropropylene | 56.7 | | " | 50.0 | | 113 | 81-129 | | | | |
| Cyclohexane | 54.6 | | " | 50.0 | | 109 | 70-130 | | | | |
| Dibromochloromethane | 57.8 | | " | 50.0 | | 116 | 10-200 | | | | |
| Dibromomethane | 58.3 | | " | 50.0 | | 117 | 83-124 | | | | |
| Dichlorodifluoromethane | 27.1 | | " | 50.0 | | 54.1 | 28-158 | | | | |
| Ethyl Benzene | 57.6 | | " | 50.0 | | 115 | 84-125 | | | | |
| Hexachlorobutadiene | 56.1 | | " | 50.0 | | 112 | 83-133 | | | | |
| Isopropylbenzene | 56.9 | | " | 50.0 | | 114 | 81-127 | | | | |
| Methyl acetate | 54.1 | | " | 50.0 | | 108 | 41-143 | | | | |
| Methyl tert-butyl ether (MTBE) | 55.7 | | " | 50.0 | | 111 | 74-131 | | | | |
| Methylcyclohexane | 55.3 | | " | 50.0 | | 111 | 70-130 | | | | |
| Methylene chloride | 59.3 | | " | 50.0 | | 119 | 57-141 | | | | |
| n-Butylbenzene | 53.6 | | " | 50.0 | | 107 | 80-130 | | | | |
| n-Propylbenzene | 57.8 | | " | 50.0 | | 116 | 74-136 | | | | |
| o-Xylene | 56.3 | | " | 50.0 | | 113 | 83-123 | | | | |
| p- & m- Xylenes | 113 | | " | 100 | | 113 | 82-128 | | | | |
| p-Isopropyltoluene | 58.0 | | " | 50.0 | | 116 | 85-125 | | | | |
| sec-Butylbenzene | 58.9 | | " | 50.0 | | 118 | 83-125 | | | | |
| Styrene | 55.3 | | " | 50.0 | | 111 | 86-126 | | | | |
| tert-Butyl alcohol (TBA) | 299 | | " | 250 | | 120 | 70-130 | | | | |
| tert-Butylbenzene | 55.9 | | " | 50.0 | | 112 | 80-127 | | | | |
| Tetrachloroethylene | 51.7 | | " | 50.0 | | 103 | 80-129 | | | | |
| Toluene | 53.9 | | " | 50.0 | | 108 | 85-121 | | | | |
| trans-1,2-Dichloroethylene | 54.4 | | " | 50.0 | | 109 | 72-132 | | | | |
| trans-1,3-Dichloropropylene | 57.5 | | " | 50.0 | | 115 | 78-132 | | | | |
| Trichloroethylene | 57.8 | | " | 50.0 | | 116 | 84-123 | | | | |
| Trichlorofluoromethane | 54.9 | | " | 50.0 | | 110 | 62-140 | | | | |
| Vinyl acetate | 64.2 | | " | 50.0 | | 128 | 67-136 | | | | |
| Vinyl Chloride | 44.9 | | " | 50.0 | | 89.7 | 52-130 | | | | |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 54.2 | | " | 50.0 | | 108 | 77-125 | | | | |



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---|--------|-----------------|-------|-------------|----------------|------|-------------|-----------|-------|-----------|------|
| Batch BC91471 - EPA 5035A | | | | | | | | | | | |
| LCS (BC91471-BS1) | | | | | | | | | | | |
| Prepared & Analyzed: 03/28/2019 | | | | | | | | | | | |
| Surrogate: SURRE: Toluene-d8 | 51.2 | | ug/L | 50.0 | | 102 | 85-120 | | | | |
| Surrogate: SURRE: p-Bromofluorobenzene | 50.7 | | " | 50.0 | | 101 | 76-130 | | | | |
| LCS Dup (BC91471-BSD1) | | | | | | | | | | | |
| Prepared & Analyzed: 03/28/2019 | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 57.0 | | ug/L | 50.0 | | 114 | 75-129 | | 0.404 | 30 | |
| 1,1,1-Trichloroethane | 60.5 | | " | 50.0 | | 121 | 71-137 | | 1.79 | 30 | |
| 1,1,2,2-Tetrachloroethane | 59.3 | | " | 50.0 | | 119 | 79-129 | | 2.27 | 30 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 67.1 | | " | 50.0 | | 134 | 58-146 | | 16.7 | 30 | |
| 1,1,2-Trichloroethane | 55.2 | | " | 50.0 | | 110 | 83-123 | | 1.69 | 30 | |
| 1,1-Dichloroethane | 54.6 | | " | 50.0 | | 109 | 75-130 | | 2.19 | 30 | |
| 1,1-Dichloroethylene | 56.8 | | " | 50.0 | | 114 | 64-137 | | 6.54 | 30 | |
| 1,1-Dichloropropylene | 53.9 | | " | 50.0 | | 108 | 77-127 | | 0.721 | 30 | |
| 1,2,3-Trichlorobenzene | 53.1 | | " | 50.0 | | 106 | 81-140 | | 3.24 | 30 | |
| 1,2,3-Trichloropropane | 60.2 | | " | 50.0 | | 120 | 81-126 | | 3.57 | 30 | |
| 1,2,4-Trichlorobenzene | 53.9 | | " | 50.0 | | 108 | 80-141 | | 2.00 | 30 | |
| 1,2,4-Trimethylbenzene | 55.9 | | " | 50.0 | | 112 | 84-125 | | 1.56 | 30 | |
| 1,2-Dibromo-3-chloropropane | 62.3 | | " | 50.0 | | 125 | 74-142 | | 3.19 | 30 | |
| 1,2-Dibromoethane | 57.8 | | " | 50.0 | | 116 | 86-123 | | 0.775 | 30 | |
| 1,2-Dichlorobenzene | 54.8 | | " | 50.0 | | 110 | 85-122 | | 1.61 | 30 | |
| 1,2-Dichloroethane | 59.3 | | " | 50.0 | | 119 | 71-133 | | 2.88 | 30 | |
| 1,2-Dichloropropane | 55.6 | | " | 50.0 | | 111 | 81-122 | | 1.13 | 30 | |
| 1,3,5-Trimethylbenzene | 64.9 | | " | 50.0 | | 130 | 82-126 | High Bias | 1.77 | 30 | |
| 1,3-Dichlorobenzene | 54.1 | | " | 50.0 | | 108 | 84-124 | | 2.30 | 30 | |
| 1,3-Dichloropropane | 56.6 | | " | 50.0 | | 113 | 83-123 | | 1.84 | 30 | |
| 1,4-Dichlorobenzene | 53.2 | | " | 50.0 | | 106 | 84-124 | | 2.47 | 30 | |
| 1,4-Dioxane | 255 | | " | 1050 | | 24.3 | 10-228 | | 4.88 | 30 | |
| 2,2-Dichloropropane | 56.5 | | " | 50.0 | | 113 | 67-136 | | 3.07 | 30 | |
| 2-Butanone | 49.6 | | " | 50.0 | | 99.3 | 58-147 | | 2.39 | 30 | |
| 2-Chlorotoluene | 58.7 | | " | 50.0 | | 117 | 78-127 | | 1.12 | 30 | |
| 2-Hexanone | 57.7 | | " | 50.0 | | 115 | 70-139 | | 2.01 | 30 | |
| 4-Chlorotoluene | 56.5 | | " | 50.0 | | 113 | 79-125 | | 1.56 | 30 | |
| 4-Methyl-2-pentanone | 58.8 | | " | 50.0 | | 118 | 72-132 | | 1.34 | 30 | |
| Acetone | 40.2 | | " | 50.0 | | 80.4 | 36-155 | | 4.29 | 30 | |
| Acrolein | 76.1 | | " | 50.0 | | 152 | 10-238 | | 12.3 | 30 | |
| Acrylonitrile | 57.8 | | " | 50.0 | | 116 | 66-141 | | 2.85 | 30 | |
| Benzene | 53.5 | | " | 50.0 | | 107 | 77-127 | | 1.46 | 30 | |
| Bromobenzene | 21.1 | | " | 50.0 | | 42.2 | 77-129 | Low Bias | 4.40 | 30 | |
| Bromochloromethane | 56.4 | | " | 50.0 | | 113 | 74-129 | | 3.84 | 30 | |
| Bromodichloromethane | 59.0 | | " | 50.0 | | 118 | 81-124 | | 2.77 | 30 | |
| Bromoform | 56.0 | | " | 50.0 | | 112 | 80-136 | | 3.53 | 30 | |
| Bromomethane | 53.1 | | " | 50.0 | | 106 | 32-177 | | 1.79 | 30 | |
| Carbon disulfide | 49.7 | | " | 50.0 | | 99.4 | 10-136 | | 1.56 | 30 | |
| Carbon tetrachloride | 57.1 | | " | 50.0 | | 114 | 66-143 | | 2.06 | 30 | |
| Chlorobenzene | 54.2 | | " | 50.0 | | 108 | 86-120 | | 0.919 | 30 | |
| Chloroethane | 54.0 | | " | 50.0 | | 108 | 51-142 | | 0.830 | 30 | |
| Chloroform | 56.8 | | " | 50.0 | | 114 | 76-131 | | 2.56 | 30 | |
| Chloromethane | 40.0 | | " | 50.0 | | 80.0 | 49-132 | | 0.980 | 30 | |
| cis-1,2-Dichloroethylene | 52.5 | | " | 50.0 | | 105 | 74-132 | | 4.61 | 30 | |
| cis-1,3-Dichloropropylene | 56.6 | | " | 50.0 | | 113 | 81-129 | | 0.124 | 30 | |
| Cyclohexane | 54.5 | | " | 50.0 | | 109 | 70-130 | | 0.257 | 30 | |
| Dibromochloromethane | 56.9 | | " | 50.0 | | 114 | 10-200 | | 1.53 | 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 BC91471 - EPA 5035A

LCS Dup (BC91471-BSD1)

Prepared & Analyzed: 03/28/2019

| | | | | | | | | | | | |
|---|-------------|--|----------|-------------|--|------------|---------------|--|--------|----|--|
| Dibromomethane | 57.6 | | ug/L | 50.0 | | 115 | 83-124 | | 1.24 | 30 | |
| Dichlorodifluoromethane | 26.6 | | " | 50.0 | | 53.2 | 28-158 | | 1.75 | 30 | |
| Ethyl Benzene | 56.9 | | " | 50.0 | | 114 | 84-125 | | 1.10 | 30 | |
| Hexachlorobutadiene | 55.3 | | " | 50.0 | | 111 | 83-133 | | 1.38 | 30 | |
| Isopropylbenzene | 56.5 | | " | 50.0 | | 113 | 81-127 | | 0.705 | 30 | |
| Methyl acetate | 53.5 | | " | 50.0 | | 107 | 41-143 | | 1.21 | 30 | |
| Methyl tert-butyl ether (MTBE) | 54.5 | | " | 50.0 | | 109 | 74-131 | | 2.18 | 30 | |
| Methylcyclohexane | 55.2 | | " | 50.0 | | 110 | 70-130 | | 0.217 | 30 | |
| Methylene chloride | 58.5 | | " | 50.0 | | 117 | 57-141 | | 1.36 | 30 | |
| n-Butylbenzene | 54.5 | | " | 50.0 | | 109 | 80-130 | | 1.68 | 30 | |
| n-Propylbenzene | 56.6 | | " | 50.0 | | 113 | 74-136 | | 2.10 | 30 | |
| o-Xylene | 56.3 | | " | 50.0 | | 113 | 83-123 | | 0.0710 | 30 | |
| p- & m- Xylenes | 114 | | " | 100 | | 114 | 82-128 | | 1.31 | 30 | |
| p-Isopropyltoluene | 56.7 | | " | 50.0 | | 113 | 85-125 | | 2.30 | 30 | |
| sec-Butylbenzene | 58.5 | | " | 50.0 | | 117 | 83-125 | | 0.750 | 30 | |
| Styrene | 54.4 | | " | 50.0 | | 109 | 86-126 | | 1.60 | 30 | |
| tert-Butyl alcohol (TBA) | 290 | | " | 250 | | 116 | 70-130 | | 3.05 | 30 | |
| tert-Butylbenzene | 55.0 | | " | 50.0 | | 110 | 80-127 | | 1.64 | 30 | |
| Tetrachloroethylene | 52.0 | | " | 50.0 | | 104 | 80-129 | | 0.405 | 30 | |
| Toluene | 53.5 | | " | 50.0 | | 107 | 85-121 | | 0.708 | 30 | |
| trans-1,2-Dichloroethylene | 53.8 | | " | 50.0 | | 108 | 72-132 | | 1.17 | 30 | |
| trans-1,3-Dichloropropylene | 56.9 | | " | 50.0 | | 114 | 78-132 | | 1.10 | 30 | |
| Trichloroethylene | 57.3 | | " | 50.0 | | 115 | 84-123 | | 0.851 | 30 | |
| Trichlorofluoromethane | 54.2 | | " | 50.0 | | 108 | 62-140 | | 1.15 | 30 | |
| Vinyl acetate | 65.5 | | " | 50.0 | | 131 | 67-136 | | 2.02 | 30 | |
| Vinyl Chloride | 44.8 | | " | 50.0 | | 89.7 | 52-130 | | 0.0892 | 30 | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | <i>53.0</i> | | <i>"</i> | <i>50.0</i> | | <i>106</i> | <i>77-125</i> | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | <i>51.3</i> | | <i>"</i> | <i>50.0</i> | | <i>103</i> | <i>85-120</i> | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | <i>51.0</i> | | <i>"</i> | <i>50.0</i> | | <i>102</i> | <i>76-130</i> | | | | |



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 BC91535 - EPA 5030B/1311

Blank (BC91535-BLK1)

Prepared & Analyzed: 03/29/2019

| | | | | | | | | | | | | | |
|----------------------|----|--------|------|--|--|--|--|--|--|--|--|--|--|
| 1,1-Dichloroethylene | ND | 0.0050 | mg/L | | | | | | | | | | |
| 1,2-Dichloroethane | ND | 0.0050 | " | | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.0050 | " | | | | | | | | | | |
| 2-Butanone | ND | 0.0050 | " | | | | | | | | | | |
| Benzene | ND | 0.0050 | " | | | | | | | | | | |
| Carbon tetrachloride | ND | 0.0050 | " | | | | | | | | | | |
| Chlorobenzene | ND | 0.0050 | " | | | | | | | | | | |
| Chloroform | ND | 0.0050 | " | | | | | | | | | | |
| Tetrachloroethylene | ND | 0.0050 | " | | | | | | | | | | |
| Trichloroethylene | ND | 0.0050 | " | | | | | | | | | | |
| Vinyl Chloride | ND | 0.0050 | " | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|--|--|--|--|--|--|
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | 50.9 | | ug/L | 50.0 | | 102 | 65-135 | | | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | 43.8 | | " | 50.0 | | 87.7 | 86-118 | | | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | 51.3 | | " | 50.0 | | 103 | 81-114 | | | | | | |

LCS (BC91535-BS1)

Prepared & Analyzed: 03/29/2019

| | | | | | | | | | | | | | |
|----------------------|------|--|------|------|--|------|--------|--|--|--|--|--|--|
| 1,1-Dichloroethylene | 53.3 | | ug/L | 50.0 | | 107 | 68-134 | | | | | | |
| 1,2-Dichloroethane | 50.8 | | " | 50.0 | | 102 | 69-133 | | | | | | |
| 1,4-Dichlorobenzene | 46.6 | | " | 50.0 | | 93.2 | 82-124 | | | | | | |
| 2-Butanone | 51.9 | | " | 50.0 | | 104 | 44-169 | | | | | | |
| Benzene | 51.7 | | " | 50.0 | | 103 | 72-134 | | | | | | |
| Carbon tetrachloride | 49.2 | | " | 50.0 | | 98.3 | 62-145 | | | | | | |
| Chlorobenzene | 47.6 | | " | 50.0 | | 95.3 | 85-119 | | | | | | |
| Chloroform | 51.8 | | " | 50.0 | | 104 | 74-131 | | | | | | |
| Tetrachloroethylene | 44.2 | | " | 50.0 | | 88.5 | 78-133 | | | | | | |
| Trichloroethylene | 47.0 | | " | 50.0 | | 93.9 | 81-125 | | | | | | |
| Vinyl Chloride | 53.2 | | " | 50.0 | | 106 | 42-136 | | | | | | |

| | | | | | | | | | | | | | |
|---|------|--|---|------|--|------|--------|--|--|--|--|--|--|
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | 49.4 | | " | 50.0 | | 98.9 | 65-135 | | | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | 45.3 | | " | 50.0 | | 90.6 | 86-118 | | | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | 49.6 | | " | 50.0 | | 99.3 | 81-114 | | | | | | |



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 BC91535 - EPA 5030B/1311

LCS Dup (BC91535-BSD1)

Prepared & Analyzed: 03/29/2019

| | | | | | | | | | | | |
|--|------|--|------|------|--|------|--------|--|-------|----|--|
| 1,1-Dichloroethylene | 48.1 | | ug/L | 50.0 | | 96.3 | 68-134 | | 10.1 | 30 | |
| 1,2-Dichloroethane | 47.9 | | " | 50.0 | | 95.8 | 69-133 | | 5.95 | 30 | |
| 1,4-Dichlorobenzene | 47.1 | | " | 50.0 | | 94.2 | 82-124 | | 1.05 | 30 | |
| 2-Butanone | 44.6 | | " | 50.0 | | 89.2 | 44-169 | | 15.1 | 30 | |
| Benzene | 49.6 | | " | 50.0 | | 99.2 | 72-134 | | 4.11 | 30 | |
| Carbon tetrachloride | 48.2 | | " | 50.0 | | 96.3 | 62-145 | | 2.05 | 30 | |
| Chlorobenzene | 46.2 | | " | 50.0 | | 92.3 | 85-119 | | 3.16 | 30 | |
| Chloroform | 48.2 | | " | 50.0 | | 96.3 | 74-131 | | 7.34 | 30 | |
| Tetrachloroethylene | 44.5 | | " | 50.0 | | 88.9 | 78-133 | | 0.496 | 30 | |
| Trichloroethylene | 47.3 | | " | 50.0 | | 94.6 | 81-125 | | 0.658 | 30 | |
| Vinyl Chloride | 45.0 | | " | 50.0 | | 90.0 | 42-136 | | 16.7 | 30 | |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 47.6 | | " | 50.0 | | 95.3 | 65-135 | | | | |
| Surrogate: SURR: Toluene-d8 | 49.0 | | " | 50.0 | | 98.0 | 86-118 | | | | |
| Surrogate: SURR: p-Bromofluorobenzene | 54.0 | | " | 50.0 | | 108 | 81-114 | | | | |

Duplicate (BC91535-DUP1)

*Source sample: 19C1079-04 (WC-6B (6-12))

Prepared: 03/29/2019 Analyzed: 03/30/2019

| | | | | | | | | | | | |
|--|------|-------|------|------|----|------|--------|--|--|-----|--|
| 1,1-Dichloroethylene | ND | 0.050 | mg/L | | ND | | | | | 200 | |
| 1,2-Dichloroethane | ND | 0.050 | " | | ND | | | | | 200 | |
| 1,4-Dichlorobenzene | ND | 0.050 | " | | ND | | | | | 200 | |
| 2-Butanone | ND | 0.050 | " | | ND | | | | | 200 | |
| Benzene | ND | 0.050 | " | | ND | | | | | 200 | |
| Carbon tetrachloride | ND | 0.050 | " | | ND | | | | | 200 | |
| Chlorobenzene | ND | 0.050 | " | | ND | | | | | 200 | |
| Chloroform | ND | 0.050 | " | | ND | | | | | 200 | |
| Tetrachloroethylene | ND | 0.050 | " | | ND | | | | | 200 | |
| Trichloroethylene | ND | 0.050 | " | | ND | | | | | 200 | |
| Vinyl Chloride | ND | 0.050 | " | | ND | | | | | 200 | |
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 45.7 | | ug/L | 50.0 | | 91.5 | 65-135 | | | | |
| Surrogate: SURR: Toluene-d8 | 48.7 | | " | 50.0 | | 97.4 | 86-118 | | | | |
| Surrogate: SURR: p-Bromofluorobenzene | 51.0 | | " | 50.0 | | 102 | 81-114 | | | | |



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 | | | | | Limit | |

Batch BC91535 - EPA 5030B/1311

Leach Fluid Blank (BC91535-LBK1)

Prepared: 03/29/2019 Analyzed: 03/30/2019

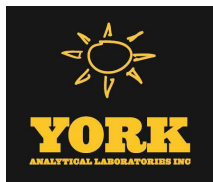
| | | | | | | | | | | | |
|---|------|-------|------|------|--|------|--|--------|--|--|--|
| 1,1-Dichloroethylene | ND | 0.050 | mg/L | | | | | | | | |
| 1,2-Dichloroethane | ND | 0.050 | " | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.050 | " | | | | | | | | |
| 2-Butanone | ND | 0.050 | " | | | | | | | | |
| Benzene | ND | 0.050 | " | | | | | | | | |
| Carbon tetrachloride | ND | 0.050 | " | | | | | | | | |
| Chlorobenzene | ND | 0.050 | " | | | | | | | | |
| Chloroform | ND | 0.050 | " | | | | | | | | |
| Tetrachloroethylene | ND | 0.050 | " | | | | | | | | |
| Trichloroethylene | ND | 0.050 | " | | | | | | | | |
| Vinyl Chloride | ND | 0.050 | " | | | | | | | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | 48.8 | | ug/L | 50.0 | | 97.6 | | 65-135 | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | 48.2 | | " | 50.0 | | 96.4 | | 86-118 | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | 52.6 | | " | 50.0 | | 105 | | 81-114 | | | |

Batch BD90042 - EPA 5030B

Blank (BD90042-BLK1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|---|----|-------|------|--|--|--|--|--|--|--|--|
| 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 | " | | | | | | | | |



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 BD90042 - EPA 5030B

Blank (BD90042-BLK1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|---|------|-------|------|------|--|------|--------|--|--|--|--|
| Bromochloromethane | ND | 0.500 | ug/L | | | | | | | | |
| Bromodichloromethane | ND | 0.500 | " | | | | | | | | |
| Bromoform | ND | 0.500 | " | | | | | | | | |
| Bromomethane | ND | 0.500 | " | | | | | | | | |
| Carbon disulfide | ND | 0.500 | " | | | | | | | | |
| Carbon tetrachloride | ND | 0.500 | " | | | | | | | | |
| Chlorobenzene | ND | 0.500 | " | | | | | | | | |
| Chloroethane | ND | 0.500 | " | | | | | | | | |
| Chloroform | ND | 0.500 | " | | | | | | | | |
| Chloromethane | ND | 0.500 | " | | | | | | | | |
| cis-1,2-Dichloroethylene | ND | 0.500 | " | | | | | | | | |
| cis-1,3-Dichloropropylene | ND | 0.500 | " | | | | | | | | |
| Cyclohexane | ND | 0.500 | " | | | | | | | | |
| Dibromochloromethane | ND | 0.500 | " | | | | | | | | |
| Dibromomethane | ND | 0.500 | " | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.500 | " | | | | | | | | |
| Ethyl Benzene | ND | 0.500 | " | | | | | | | | |
| Hexachlorobutadiene | ND | 0.500 | " | | | | | | | | |
| Isopropylbenzene | ND | 0.500 | " | | | | | | | | |
| Methyl acetate | ND | 0.500 | " | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.500 | " | | | | | | | | |
| Methylcyclohexane | ND | 0.500 | " | | | | | | | | |
| Methylene chloride | ND | 2.00 | " | | | | | | | | |
| n-Butylbenzene | ND | 0.500 | " | | | | | | | | |
| n-Propylbenzene | ND | 0.500 | " | | | | | | | | |
| o-Xylene | ND | 0.500 | " | | | | | | | | |
| p- & m- Xylenes | ND | 1.00 | " | | | | | | | | |
| p-Isopropyltoluene | ND | 0.500 | " | | | | | | | | |
| sec-Butylbenzene | ND | 0.500 | " | | | | | | | | |
| Styrene | ND | 0.500 | " | | | | | | | | |
| tert-Butyl alcohol (TBA) | ND | 1.00 | " | | | | | | | | |
| tert-Butylbenzene | ND | 0.500 | " | | | | | | | | |
| Tetrachloroethylene | ND | 0.500 | " | | | | | | | | |
| Toluene | ND | 0.500 | " | | | | | | | | |
| trans-1,2-Dichloroethylene | ND | 0.500 | " | | | | | | | | |
| trans-1,3-Dichloropropylene | ND | 0.500 | " | | | | | | | | |
| Trichloroethylene | ND | 0.500 | " | | | | | | | | |
| Trichlorofluoromethane | ND | 0.500 | " | | | | | | | | |
| Vinyl acetate | ND | 0.500 | " | | | | | | | | |
| Vinyl Chloride | ND | 0.500 | " | | | | | | | | |
| Xylenes, Total | ND | 1.50 | " | | | | | | | | |
| <hr/> | | | | | | | | | | | |
| Surrogate: SURRE: 1,2-Dichloroethane-d4 | 10.7 | | " | 10.0 | | 107 | 70-130 | | | | |
| Surrogate: SURRE: Toluene-d8 | 9.62 | | " | 10.0 | | 96.2 | 70-130 | | | | |
| Surrogate: SURRE: p-Bromofluorobenzene | 10.9 | | " | 10.0 | | 109 | 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 BD90042 - EPA 5030B | | | | | | | | | | | |
| LCS (BD90042-BS1) | | | | | | | | | | | |
| Prepared & Analyzed: 04/01/2019 | | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | 9.84 | | ug/L | 10.0 | | 98.4 | 82-126 | | | | 30 |
| 1,1,1-Trichloroethane | 13.3 | | " | 10.0 | | 133 | 70-130 | High Bias | | | 20 |
| 1,1,2,2-Tetrachloroethane | 12.1 | | " | 10.0 | | 121 | 70-130 | | | | 20 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 13.7 | | " | 10.0 | | 137 | 70-130 | High Bias | | | 20 |
| 1,1,2-Trichloroethane | 9.80 | | " | 10.0 | | 98.0 | 70-130 | | | | 20 |
| 1,1-Dichloroethane | 12.6 | | " | 10.0 | | 126 | 70-130 | | | | 20 |
| 1,1-Dichloroethylene | 13.0 | | " | 10.0 | | 130 | 70-130 | | | | 20 |
| 1,1-Dichloropropylene | 12.5 | | " | 10.0 | | 125 | 83-133 | | | | 30 |
| 1,2,3-Trichlorobenzene | 8.36 | | " | 10.0 | | 83.6 | 70-130 | | | | 20 |
| 1,2,3-Trichloropropane | 11.6 | | " | 10.0 | | 116 | 77-128 | | | | 30 |
| 1,2,4-Trichlorobenzene | 8.99 | | " | 10.0 | | 89.9 | 70-130 | | | | 20 |
| 1,2,4-Trimethylbenzene | 11.3 | | " | 10.0 | | 113 | 82-132 | | | | 20 |
| 1,2-Dibromo-3-chloropropane | 10.2 | | " | 10.0 | | 102 | 40-160 | | | | 20 |
| 1,2-Dibromoethane | 10.0 | | " | 10.0 | | 100 | 70-130 | | | | 20 |
| 1,2-Dichlorobenzene | 11.0 | | " | 10.0 | | 110 | 70-130 | | | | 20 |
| 1,2-Dichloroethane | 12.3 | | " | 10.0 | | 123 | 70-130 | | | | 20 |
| 1,2-Dichloropropane | 10.1 | | " | 10.0 | | 101 | 70-130 | | | | 20 |
| 1,3,5-Trimethylbenzene | 11.6 | | " | 10.0 | | 116 | 80-131 | | | | 30 |
| 1,3-Dichlorobenzene | 11.0 | | " | 10.0 | | 110 | 70-130 | | | | 20 |
| 1,3-Dichloropropane | 9.98 | | " | 10.0 | | 99.8 | 81-125 | | | | 30 |
| 1,4-Dichlorobenzene | 11.0 | | " | 10.0 | | 110 | 70-130 | | | | 20 |
| 1,4-Dioxane | 52.5 | | " | 210 | | 25.0 | 40-160 | Low Bias | | | 20 |
| 2,2-Dichloropropane | 14.0 | | " | 10.0 | | 140 | 56-150 | | | | 30 |
| 2-Butanone | 8.36 | | " | 10.0 | | 83.6 | 40-160 | | | | 20 |
| 2-Chlorotoluene | 12.2 | | " | 10.0 | | 122 | 79-130 | | | | 30 |
| 2-Hexanone | 9.98 | | " | 10.0 | | 99.8 | 40-160 | | | | 20 |
| 4-Chlorotoluene | 11.8 | | " | 10.0 | | 118 | 79-128 | | | | 30 |
| 4-Methyl-2-pentanone | 10.1 | | " | 10.0 | | 101 | 40-160 | | | | 20 |
| Acetone | 8.78 | | " | 10.0 | | 87.8 | 40-160 | | | | 20 |
| Acrolein | 8.43 | | " | 10.0 | | 84.3 | 10-153 | | | | 30 |
| Acrylonitrile | 9.40 | | " | 10.0 | | 94.0 | 51-150 | | | | 30 |
| Benzene | 12.3 | | " | 10.0 | | 123 | 70-130 | | | | 20 |
| Bromobenzene | 11.6 | | " | 10.0 | | 116 | 78-129 | | | | 30 |
| Bromochloromethane | 12.5 | | " | 10.0 | | 125 | 70-130 | | | | 20 |
| Bromodichloromethane | 10.4 | | " | 10.0 | | 104 | 70-130 | | | | 20 |
| Bromoform | 8.05 | | " | 10.0 | | 80.5 | 70-130 | | | | 20 |
| Bromomethane | 11.5 | | " | 10.0 | | 115 | 40-160 | | | | 20 |
| Carbon disulfide | 12.8 | | " | 10.0 | | 128 | 40-160 | | | | 20 |
| Carbon tetrachloride | 12.4 | | " | 10.0 | | 124 | 70-130 | | | | 20 |
| Chlorobenzene | 10.3 | | " | 10.0 | | 103 | 70-130 | | | | 20 |
| Chloroethane | 12.3 | | " | 10.0 | | 123 | 40-160 | | | | 20 |
| Chloroform | 12.3 | | " | 10.0 | | 123 | 70-130 | | | | 20 |
| Chloromethane | 16.5 | | " | 10.0 | | 165 | 40-160 | High Bias | | | 20 |
| cis-1,2-Dichloroethylene | 12.8 | | " | 10.0 | | 128 | 70-130 | | | | 20 |
| cis-1,3-Dichloropropylene | 9.92 | | " | 10.0 | | 99.2 | 70-130 | | | | 20 |
| Cyclohexane | 13.0 | | " | 10.0 | | 130 | 70-130 | | | | 20 |
| Dibromochloromethane | 9.57 | | " | 10.0 | | 95.7 | 70-130 | | | | 20 |
| Dibromomethane | 10.4 | | " | 10.0 | | 104 | 72-134 | | | | 30 |
| Dichlorodifluoromethane | 14.1 | | " | 10.0 | | 141 | 40-160 | | | | 20 |
| Ethyl Benzene | 11.2 | | " | 10.0 | | 112 | 70-130 | | | | 20 |
| Hexachlorobutadiene | 6.69 | | " | 10.0 | | 66.9 | 67-146 | Low Bias | | | 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 BD90042 - EPA 5030B

LCS (BD90042-BS1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|-----------|--|----|--|
| Isopropylbenzene | 12.8 | | ug/L | 10.0 | | 128 | 70-130 | | | 20 | |
| Methyl acetate | 10.6 | | " | 10.0 | | 106 | 70-130 | | | 20 | |
| Methyl tert-butyl ether (MTBE) | 11.3 | | " | 10.0 | | 113 | 70-130 | | | 20 | |
| Methylcyclohexane | 11.0 | | " | 10.0 | | 110 | 70-130 | | | 20 | |
| Methylene chloride | 13.4 | | " | 10.0 | | 134 | 70-130 | High Bias | | 20 | |
| n-Butylbenzene | 11.2 | | " | 10.0 | | 112 | 79-132 | | | 30 | |
| n-Propylbenzene | 12.6 | | " | 10.0 | | 126 | 78-133 | | | 30 | |
| o-Xylene | 10.5 | | " | 10.0 | | 105 | 70-130 | | | 20 | |
| p- & m- Xylenes | 22.7 | | " | 20.0 | | 113 | 70-130 | | | 20 | |
| p-Isopropyltoluene | 10.9 | | " | 10.0 | | 109 | 81-136 | | | 30 | |
| sec-Butylbenzene | 11.8 | | " | 10.0 | | 118 | 79-137 | | | 30 | |
| Styrene | 10.1 | | " | 10.0 | | 101 | 70-130 | | | 20 | |
| tert-Butyl alcohol (TBA) | 46.3 | | " | 50.0 | | 92.6 | 25-162 | | | 30 | |
| tert-Butylbenzene | 11.6 | | " | 10.0 | | 116 | 77-138 | | | 30 | |
| Tetrachloroethylene | 8.49 | | " | 10.0 | | 84.9 | 70-130 | | | 20 | |
| Toluene | 11.0 | | " | 10.0 | | 110 | 70-130 | | | 20 | |
| trans-1,2-Dichloroethylene | 12.1 | | " | 10.0 | | 121 | 70-130 | | | 20 | |
| trans-1,3-Dichloropropylene | 9.80 | | " | 10.0 | | 98.0 | 70-130 | | | 20 | |
| Trichloroethylene | 10.9 | | " | 10.0 | | 109 | 70-130 | | | 20 | |
| Trichlorofluoromethane | 13.5 | | " | 10.0 | | 135 | 40-160 | | | 20 | |
| Vinyl acetate | 13.7 | | " | 10.0 | | 137 | 21-90 | High Bias | | 30 | |
| Vinyl Chloride | 14.5 | | " | 10.0 | | 145 | 70-130 | High Bias | | 20 | |
| Surrogate: SURRE: 1,2-Dichloroethane-d4 | 9.87 | | " | 10.0 | | 98.7 | 70-130 | | | | |
| Surrogate: SURRE: Toluene-d8 | 10.1 | | " | 10.0 | | 101 | 70-130 | | | | |
| Surrogate: SURRE: p-Bromofluorobenzene | 10.7 | | " | 10.0 | | 107 | 70-130 | | | | |

LCS Dup (BD90042-BSD1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|-----------|-------|----|----------|
| 1,1,1,2-Tetrachloroethane | 9.35 | | ug/L | 10.0 | | 93.5 | 82-126 | | 5.11 | 30 | |
| 1,1,1-Trichloroethane | 12.9 | | " | 10.0 | | 129 | 70-130 | | 3.51 | 20 | |
| 1,1,2,2-Tetrachloroethane | 11.4 | | " | 10.0 | | 114 | 70-130 | | 5.77 | 20 | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 13.3 | | " | 10.0 | | 133 | 70-130 | High Bias | 2.45 | 20 | |
| 1,1,2-Trichloroethane | 9.72 | | " | 10.0 | | 97.2 | 70-130 | | 0.820 | 20 | |
| 1,1-Dichloroethane | 12.6 | | " | 10.0 | | 126 | 70-130 | | 0.634 | 20 | |
| 1,1-Dichloroethylene | 12.2 | | " | 10.0 | | 122 | 70-130 | | 6.42 | 20 | |
| 1,1-Dichloropropylene | 12.3 | | " | 10.0 | | 123 | 83-133 | | 1.45 | 30 | |
| 1,2,3-Trichlorobenzene | 8.84 | | " | 10.0 | | 88.4 | 70-130 | | 5.58 | 20 | |
| 1,2,3-Trichloropropane | 12.0 | | " | 10.0 | | 120 | 77-128 | | 3.48 | 30 | |
| 1,2,4-Trichlorobenzene | 9.07 | | " | 10.0 | | 90.7 | 70-130 | | 0.886 | 20 | |
| 1,2,4-Trimethylbenzene | 10.8 | | " | 10.0 | | 108 | 82-132 | | 5.16 | 20 | |
| 1,2-Dibromo-3-chloropropane | 10.1 | | " | 10.0 | | 101 | 40-160 | | 1.18 | 20 | |
| 1,2-Dibromoethane | 9.91 | | " | 10.0 | | 99.1 | 70-130 | | 1.20 | 20 | |
| 1,2-Dichlorobenzene | 10.8 | | " | 10.0 | | 108 | 70-130 | | 1.83 | 20 | |
| 1,2-Dichloroethane | 12.0 | | " | 10.0 | | 120 | 70-130 | | 2.88 | 20 | |
| 1,2-Dichloropropane | 9.61 | | " | 10.0 | | 96.1 | 70-130 | | 5.17 | 20 | |
| 1,3,5-Trimethylbenzene | 11.1 | | " | 10.0 | | 111 | 80-131 | | 4.58 | 30 | |
| 1,3-Dichlorobenzene | 10.4 | | " | 10.0 | | 104 | 70-130 | | 5.81 | 20 | |
| 1,3-Dichloropropane | 9.70 | | " | 10.0 | | 97.0 | 81-125 | | 2.85 | 30 | |
| 1,4-Dichlorobenzene | 10.4 | | " | 10.0 | | 104 | 70-130 | | 5.63 | 20 | |
| 1,4-Dioxane | 51.5 | | " | 210 | | 24.5 | 40-160 | Low Bias | 1.96 | 20 | |
| 2,2-Dichloropropane | 13.2 | | " | 10.0 | | 132 | 56-150 | | 5.59 | 30 | |
| 2-Butanone | 11.1 | | " | 10.0 | | 111 | 40-160 | | 28.2 | 20 | Non-dir. |



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 BD90042 - EPA 5030B | | | | | | | | | | | |
| LCS Dup (BD90042-BSD1) | | | | | | | | | | | |
| Prepared & Analyzed: 04/01/2019 | | | | | | | | | | | |
| 2-Chlorotoluene | 11.6 | | ug/L | 10.0 | | 116 | 79-130 | | 4.89 | 30 | |
| 2-Hexanone | 10.0 | | " | 10.0 | | 100 | 40-160 | | 0.400 | 20 | |
| 4-Chlorotoluene | 11.1 | | " | 10.0 | | 111 | 79-128 | | 5.94 | 30 | |
| 4-Methyl-2-pentanone | 10.3 | | " | 10.0 | | 103 | 40-160 | | 1.97 | 20 | |
| Acetone | 9.19 | | " | 10.0 | | 91.9 | 40-160 | | 4.56 | 20 | |
| Acrolein | 9.25 | | " | 10.0 | | 92.5 | 10-153 | | 9.28 | 30 | |
| Acrylonitrile | 11.0 | | " | 10.0 | | 110 | 51-150 | | 16.0 | 30 | |
| Benzene | 12.2 | | " | 10.0 | | 122 | 70-130 | | 0.901 | 20 | |
| Bromobenzene | 11.0 | | " | 10.0 | | 110 | 78-129 | | 5.49 | 30 | |
| Bromochloromethane | 13.0 | | " | 10.0 | | 130 | 70-130 | | 3.93 | 20 | |
| Bromodichloromethane | 9.97 | | " | 10.0 | | 99.7 | 70-130 | | 4.13 | 20 | |
| Bromoform | 7.67 | | " | 10.0 | | 76.7 | 70-130 | | 4.83 | 20 | |
| Bromomethane | 8.64 | | " | 10.0 | | 86.4 | 40-160 | | 28.1 | 20 | Non-dir. |
| Carbon disulfide | 12.4 | | " | 10.0 | | 124 | 40-160 | | 3.34 | 20 | |
| Carbon tetrachloride | 12.1 | | " | 10.0 | | 121 | 70-130 | | 2.45 | 20 | |
| Chlorobenzene | 9.92 | | " | 10.0 | | 99.2 | 70-130 | | 3.76 | 20 | |
| Chloroethane | 11.6 | | " | 10.0 | | 116 | 40-160 | | 5.45 | 20 | |
| Chloroform | 12.3 | | " | 10.0 | | 123 | 70-130 | | 0.162 | 20 | |
| Chloromethane | 15.3 | | " | 10.0 | | 153 | 40-160 | | 7.56 | 20 | |
| cis-1,2-Dichloroethylene | 12.7 | | " | 10.0 | | 127 | 70-130 | | 0.786 | 20 | |
| cis-1,3-Dichloropropylene | 9.79 | | " | 10.0 | | 97.9 | 70-130 | | 1.32 | 20 | |
| Cyclohexane | 12.7 | | " | 10.0 | | 127 | 70-130 | | 1.87 | 20 | |
| Dibromochloromethane | 9.42 | | " | 10.0 | | 94.2 | 70-130 | | 1.58 | 20 | |
| Dibromomethane | 10.1 | | " | 10.0 | | 101 | 72-134 | | 2.44 | 30 | |
| Dichlorodifluoromethane | 12.8 | | " | 10.0 | | 128 | 40-160 | | 10.2 | 20 | |
| Ethyl Benzene | 10.7 | | " | 10.0 | | 107 | 70-130 | | 5.29 | 20 | |
| Hexachlorobutadiene | 6.36 | | " | 10.0 | | 63.6 | 67-146 | Low Bias | 5.06 | 30 | |
| Isopropylbenzene | 11.8 | | " | 10.0 | | 118 | 70-130 | | 8.06 | 20 | |
| Methyl acetate | 11.7 | | " | 10.0 | | 117 | 70-130 | | 10.1 | 20 | |
| Methyl tert-butyl ether (MTBE) | 11.7 | | " | 10.0 | | 117 | 70-130 | | 3.91 | 20 | |
| Methylcyclohexane | 10.3 | | " | 10.0 | | 103 | 70-130 | | 7.03 | 20 | |
| Methylene chloride | 13.2 | | " | 10.0 | | 132 | 70-130 | High Bias | 1.43 | 20 | |
| n-Butylbenzene | 11.4 | | " | 10.0 | | 114 | 79-132 | | 1.41 | 30 | |
| n-Propylbenzene | 11.8 | | " | 10.0 | | 118 | 78-133 | | 6.58 | 30 | |
| o-Xylene | 10.2 | | " | 10.0 | | 102 | 70-130 | | 2.99 | 20 | |
| p- & m- Xylenes | 21.6 | | " | 20.0 | | 108 | 70-130 | | 5.06 | 20 | |
| p-Isopropyltoluene | 10.9 | | " | 10.0 | | 109 | 81-136 | | 0.550 | 30 | |
| sec-Butylbenzene | 11.6 | | " | 10.0 | | 116 | 79-137 | | 1.11 | 30 | |
| Styrene | 9.73 | | " | 10.0 | | 97.3 | 70-130 | | 3.34 | 20 | |
| tert-Butyl alcohol (TBA) | 50.4 | | " | 50.0 | | 101 | 25-162 | | 8.50 | 30 | |
| tert-Butylbenzene | 11.1 | | " | 10.0 | | 111 | 77-138 | | 4.48 | 30 | |
| Tetrachloroethylene | 8.01 | | " | 10.0 | | 80.1 | 70-130 | | 5.82 | 20 | |
| Toluene | 10.3 | | " | 10.0 | | 103 | 70-130 | | 6.56 | 20 | |
| trans-1,2-Dichloroethylene | 11.9 | | " | 10.0 | | 119 | 70-130 | | 1.83 | 20 | |
| trans-1,3-Dichloropropylene | 9.64 | | " | 10.0 | | 96.4 | 70-130 | | 1.65 | 20 | |
| Trichloroethylene | 10.1 | | " | 10.0 | | 101 | 70-130 | | 7.61 | 20 | |
| Trichlorofluoromethane | 10.9 | | " | 10.0 | | 109 | 40-160 | | 21.4 | 20 | Non-dir. |
| Vinyl acetate | 13.9 | | " | 10.0 | | 139 | 21-90 | High Bias | 1.60 | 30 | |
| Vinyl Chloride | 7.50 | | " | 10.0 | | 75.0 | 70-130 | | 63.4 | 20 | Non-dir. |
| Surrogate: SURRE: 1,2-Dichloroethane-d4 | 10.6 | | " | 10.0 | | 106 | 70-130 | | | | |
| Surrogate: SURRE: Toluene-d8 | 9.80 | | " | 10.0 | | 98.0 | 70-130 | | | | |



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

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

Batch BD90042 - EPA 5030B

LCS Dup (BD90042-BSD1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | | | |
|---------------------------------------|------|--|------|------|--|-----|--------|--|--|--|--|--|--|
| Surrogate: SURR: p-Bromofluorobenzene | 10.7 | | ug/L | 10.0 | | 107 | 70-130 | | | | | | |
|---------------------------------------|------|--|------|------|--|-----|--------|--|--|--|--|--|--|

Batch BD90086 - EPA 5030B/1311

Blank (BD90086-BLK1)

Prepared & Analyzed: 04/02/2019

| | | | | | | | | | | | | | |
|----------------------|----|--------|------|--|--|--|--|--|--|--|--|--|--|
| 1,1-Dichloroethylene | ND | 0.0050 | mg/L | | | | | | | | | | |
| 1,2-Dichloroethane | ND | 0.0050 | " | | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.0050 | " | | | | | | | | | | |
| 2-Butanone | ND | 0.0050 | " | | | | | | | | | | |
| Benzene | ND | 0.0050 | " | | | | | | | | | | |
| Carbon tetrachloride | ND | 0.0050 | " | | | | | | | | | | |
| Chlorobenzene | ND | 0.0050 | " | | | | | | | | | | |
| Chloroform | ND | 0.0050 | " | | | | | | | | | | |
| Tetrachloroethylene | ND | 0.0050 | " | | | | | | | | | | |
| Trichloroethylene | ND | 0.0050 | " | | | | | | | | | | |
| Vinyl Chloride | ND | 0.0050 | " | | | | | | | | | | |

| | | | | | | | | | | | | | |
|--|------|--|------|------|--|------|--------|--|--|--|--|--|--|
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 50.1 | | ug/L | 50.0 | | 100 | 65-135 | | | | | | |
| Surrogate: SURR: Toluene-d8 | 47.5 | | " | 50.0 | | 95.0 | 86-118 | | | | | | |
| Surrogate: SURR: p-Bromofluorobenzene | 50.3 | | " | 50.0 | | 101 | 81-114 | | | | | | |

LCS (BD90086-BS1)

Prepared & Analyzed: 04/02/2019

| | | | | | | | | | | | | | |
|----------------------|------|--|------|------|--|------|--------|--|--|--|--|--|--|
| 1,1-Dichloroethylene | 52.9 | | ug/L | 50.0 | | 106 | 68-134 | | | | | | |
| 1,2-Dichloroethane | 53.6 | | " | 50.0 | | 107 | 69-133 | | | | | | |
| 1,4-Dichlorobenzene | 44.6 | | " | 50.0 | | 89.2 | 82-124 | | | | | | |
| 2-Butanone | 56.6 | | " | 50.0 | | 113 | 44-169 | | | | | | |
| Benzene | 52.9 | | " | 50.0 | | 106 | 72-134 | | | | | | |
| Carbon tetrachloride | 50.1 | | " | 50.0 | | 100 | 62-145 | | | | | | |
| Chlorobenzene | 46.4 | | " | 50.0 | | 92.8 | 85-119 | | | | | | |
| Chloroform | 50.9 | | " | 50.0 | | 102 | 74-131 | | | | | | |
| Tetrachloroethylene | 44.4 | | " | 50.0 | | 88.8 | 78-133 | | | | | | |
| Trichloroethylene | 46.8 | | " | 50.0 | | 93.5 | 81-125 | | | | | | |
| Vinyl Chloride | 51.2 | | " | 50.0 | | 102 | 42-136 | | | | | | |

| | | | | | | | | | | | | | |
|--|------|--|---|------|--|------|--------|--|--|--|--|--|--|
| Surrogate: SURR: 1,2-Dichloroethane-d4 | 49.1 | | " | 50.0 | | 98.1 | 65-135 | | | | | | |
| Surrogate: SURR: Toluene-d8 | 47.3 | | " | 50.0 | | 94.7 | 86-118 | | | | | | |
| Surrogate: SURR: p-Bromofluorobenzene | 50.9 | | " | 50.0 | | 102 | 81-114 | | | | | | |



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 | | | | | | | | Limit | | | |

Batch BD90086 - EPA 5030B/1311

LCS Dup (BD90086-BSD1)

Prepared & Analyzed: 04/02/2019

| | | | | | | | | | | | | | |
|---|-------------|--|----------|-------------|--|-------------|---------------|--|--|-------|----|--|--|
| 1,1-Dichloroethylene | 52.4 | | ug/L | 50.0 | | 105 | 68-134 | | | 1.03 | 30 | | |
| 1,2-Dichloroethane | 53.5 | | " | 50.0 | | 107 | 69-133 | | | 0.280 | 30 | | |
| 1,4-Dichlorobenzene | 45.3 | | " | 50.0 | | 90.6 | 82-124 | | | 1.56 | 30 | | |
| 2-Butanone | 55.0 | | " | 50.0 | | 110 | 44-169 | | | 2.85 | 30 | | |
| Benzene | 54.0 | | " | 50.0 | | 108 | 72-134 | | | 1.98 | 30 | | |
| Carbon tetrachloride | 52.0 | | " | 50.0 | | 104 | 62-145 | | | 3.60 | 30 | | |
| Chlorobenzene | 47.3 | | " | 50.0 | | 94.6 | 85-119 | | | 1.92 | 30 | | |
| Chloroform | 51.6 | | " | 50.0 | | 103 | 74-131 | | | 1.44 | 30 | | |
| Tetrachloroethylene | 45.0 | | " | 50.0 | | 90.0 | 78-133 | | | 1.39 | 30 | | |
| Trichloroethylene | 47.8 | | " | 50.0 | | 95.5 | 81-125 | | | 2.14 | 30 | | |
| Vinyl Chloride | 52.4 | | " | 50.0 | | 105 | 42-136 | | | 2.26 | 30 | | |
| <i>Surrogate: SURR: 1,2-Dichloroethane-d4</i> | <i>49.1</i> | | <i>"</i> | <i>50.0</i> | | <i>98.2</i> | <i>65-135</i> | | | | | | |
| <i>Surrogate: SURR: Toluene-d8</i> | <i>47.6</i> | | <i>"</i> | <i>50.0</i> | | <i>95.2</i> | <i>86-118</i> | | | | | | |
| <i>Surrogate: SURR: p-Bromofluorobenzene</i> | <i>49.2</i> | | <i>"</i> | <i>50.0</i> | | <i>98.5</i> | <i>81-114</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 BD90017 - EPA 3510C/1311

Blank (BD90017-BLK1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|---------------|---------|----------|---------------|--|-------------|-----------------|--|--|--|--|
| 1,4-Dichlorobenzene | ND | 0.0100 | mg/L | | | | | | | | |
| 2,4,5-Trichlorophenol | ND | 0.0100 | " | | | | | | | | |
| 2,4,6-Trichlorophenol | ND | 0.0100 | " | | | | | | | | |
| 2,4-Dinitrotoluene | ND | 0.0100 | " | | | | | | | | |
| 2-Methylphenol | ND | 0.0100 | " | | | | | | | | |
| 3- & 4-Methylphenols | ND | 0.0100 | " | | | | | | | | |
| Cresols, total | ND | 0.0300 | " | | | | | | | | |
| Hexachlorobenzene | ND | 0.0100 | " | | | | | | | | |
| Hexachlorobutadiene | ND | 0.0100 | " | | | | | | | | |
| Hexachloroethane | ND | 0.00500 | " | | | | | | | | |
| Nitrobenzene | ND | 0.0100 | " | | | | | | | | |
| Pentachlorophenol | ND | 0.0100 | " | | | | | | | | |
| Pyridine | ND | 0.0100 | " | | | | | | | | |
| <i>Surrogate: SURR: 2-Fluorophenol</i> | <i>0.0520</i> | | <i>"</i> | <i>0.100</i> | | <i>52.0</i> | <i>10-90.9</i> | | | | |
| <i>Surrogate: SURR: Phenol-d5</i> | <i>0.0346</i> | | <i>"</i> | <i>0.100</i> | | <i>34.6</i> | <i>10-69.2</i> | | | | |
| <i>Surrogate: SURR: Nitrobenzene-d5</i> | <i>0.0362</i> | | <i>"</i> | <i>0.0500</i> | | <i>72.4</i> | <i>19.2-141</i> | | | | |
| <i>Surrogate: SURR: 2-Fluorobiphenyl</i> | <i>0.0398</i> | | <i>"</i> | <i>0.0500</i> | | <i>79.6</i> | <i>24.8-127</i> | | | | |
| <i>Surrogate: SURR: 2,4,6-Tribromophenol</i> | <i>0.0857</i> | | <i>"</i> | <i>0.100</i> | | <i>85.7</i> | <i>23-163</i> | | | | |
| <i>Surrogate: SURR: Terphenyl-d14</i> | <i>0.0423</i> | | <i>"</i> | <i>0.0500</i> | | <i>84.6</i> | <i>25.8-110</i> | | | | |

LCS (BD90017-BS1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|---------------|---------|----------|---------------|--|-------------|-----------------|-----------|--|--|--|
| 1,4-Dichlorobenzene | 0.0319 | 0.0100 | mg/L | 0.0500 | | 63.7 | 30-105 | | | | |
| 2,4,5-Trichlorophenol | 0.0358 | 0.0100 | " | 0.0500 | | 71.6 | 32-114 | | | | |
| 2,4,6-Trichlorophenol | 0.0353 | 0.0100 | " | 0.0500 | | 70.6 | 35-118 | | | | |
| 2,4-Dinitrotoluene | 0.0363 | 0.0100 | " | 0.0500 | | 72.7 | 41-128 | | | | |
| 2-Methylphenol | 0.0285 | 0.0100 | " | 0.0500 | | 56.9 | 10-110 | | | | |
| 3- & 4-Methylphenols | 0.0254 | 0.0100 | " | 0.0500 | | 50.8 | 10-107 | | | | |
| Cresols, total | 0.0539 | 0.0300 | " | 0.100 | | 53.9 | 30-130 | | | | |
| Hexachlorobenzene | 0.0331 | 0.0100 | " | 0.0500 | | 66.2 | 23-124 | | | | |
| Hexachlorobutadiene | 0.0334 | 0.0100 | " | 0.0500 | | 66.7 | 15-123 | | | | |
| Hexachloroethane | 0.0321 | 0.00500 | " | 0.0500 | | 64.1 | 18-115 | | | | |
| Nitrobenzene | 0.0320 | 0.0100 | " | 0.0500 | | 64.0 | 21-121 | | | | |
| Pentachlorophenol | 0.0341 | 0.0100 | " | 0.0500 | | 68.1 | 10-156 | | | | |
| Pyridine | 0.0767 | 0.0100 | " | 0.0700 | | 110 | 10-90 | High Bias | | | |
| <i>Surrogate: SURR: 2-Fluorophenol</i> | <i>0.0533</i> | | <i>"</i> | <i>0.100</i> | | <i>53.3</i> | <i>10-90.9</i> | | | | |
| <i>Surrogate: SURR: Phenol-d5</i> | <i>0.0355</i> | | <i>"</i> | <i>0.100</i> | | <i>35.5</i> | <i>10-69.2</i> | | | | |
| <i>Surrogate: SURR: Nitrobenzene-d5</i> | <i>0.0337</i> | | <i>"</i> | <i>0.0500</i> | | <i>67.3</i> | <i>19.2-141</i> | | | | |
| <i>Surrogate: SURR: 2-Fluorobiphenyl</i> | <i>0.0373</i> | | <i>"</i> | <i>0.0500</i> | | <i>74.7</i> | <i>24.8-127</i> | | | | |
| <i>Surrogate: SURR: 2,4,6-Tribromophenol</i> | <i>0.0853</i> | | <i>"</i> | <i>0.100</i> | | <i>85.3</i> | <i>23-163</i> | | | | |
| <i>Surrogate: SURR: Terphenyl-d14</i> | <i>0.0397</i> | | <i>"</i> | <i>0.0500</i> | | <i>79.5</i> | <i>25.8-110</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 BD90017 - EPA 3510C/1311

LCS Dup (BD90017-BSD1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|---------------------------------------|--------|---------|------|--------|--|------|----------|-----------|--------|----|--|
| 1,4-Dichlorobenzene | 0.0314 | 0.0100 | mg/L | 0.0500 | | 62.8 | 30-105 | | 1.52 | 20 | |
| 2,4,5-Trichlorophenol | 0.0336 | 0.0100 | " | 0.0500 | | 67.2 | 32-114 | | 6.40 | 20 | |
| 2,4,6-Trichlorophenol | 0.0360 | 0.0100 | " | 0.0500 | | 71.9 | 35-118 | | 1.91 | 20 | |
| 2,4-Dinitrotoluene | 0.0342 | 0.0100 | " | 0.0500 | | 68.4 | 41-128 | | 6.07 | 20 | |
| 2-Methylphenol | 0.0284 | 0.0100 | " | 0.0500 | | 56.8 | 10-110 | | 0.211 | 20 | |
| 3- & 4-Methylphenols | 0.0249 | 0.0100 | " | 0.0500 | | 49.9 | 10-107 | | 1.83 | 20 | |
| Cresols, total | 0.0533 | 0.0300 | " | 0.100 | | 53.3 | 30-130 | | 0.970 | 20 | |
| Hexachlorobenzene | 0.0330 | 0.0100 | " | 0.0500 | | 66.0 | 23-124 | | 0.303 | 20 | |
| Hexachlorobutadiene | 0.0321 | 0.0100 | " | 0.0500 | | 64.2 | 15-123 | | 3.91 | 20 | |
| Hexachloroethane | 0.0308 | 0.00500 | " | 0.0500 | | 61.6 | 18-115 | | 4.07 | 20 | |
| Nitrobenzene | 0.0306 | 0.0100 | " | 0.0500 | | 61.3 | 21-121 | | 4.40 | 20 | |
| Pentachlorophenol | 0.0341 | 0.0100 | " | 0.0500 | | 68.2 | 10-156 | | 0.0587 | 20 | |
| Pyridine | 0.0850 | 0.0100 | " | 0.0700 | | 121 | 10-90 | High Bias | 10.2 | 20 | |
| Surrogate: SURR: 2-Fluorophenol | 0.0517 | | " | 0.100 | | 51.7 | 10-90.9 | | | | |
| Surrogate: SURR: Phenol-d5 | 0.0359 | | " | 0.100 | | 35.9 | 10-69.2 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 0.0326 | | " | 0.0500 | | 65.2 | 19.2-141 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 0.0378 | | " | 0.0500 | | 75.7 | 24.8-127 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 0.0828 | | " | 0.100 | | 82.8 | 23-163 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 0.0386 | | " | 0.0500 | | 77.3 | 25.8-110 | | | | |

Duplicate (BD90017-DUP1)

*Source sample: 19C1079-07 (Dup_3.26.19)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|---------------------------------------|--------|---------|------|--------|----|------|----------|--|--|-----|--|
| 1,4-Dichlorobenzene | ND | 0.0100 | mg/L | | ND | | | | | 200 | |
| 2,4,5-Trichlorophenol | ND | 0.0100 | " | | ND | | | | | 200 | |
| 2,4,6-Trichlorophenol | ND | 0.0100 | " | | ND | | | | | 200 | |
| 2,4-Dinitrotoluene | ND | 0.0100 | " | | ND | | | | | 200 | |
| 2-Methylphenol | ND | 0.0100 | " | | ND | | | | | 200 | |
| 3- & 4-Methylphenols | ND | 0.0100 | " | | ND | | | | | 200 | |
| Cresols, total | ND | 0.0300 | " | | ND | | | | | 200 | |
| Hexachlorobenzene | ND | 0.0100 | " | | ND | | | | | 200 | |
| Hexachlorobutadiene | ND | 0.0100 | " | | ND | | | | | 200 | |
| Hexachloroethane | ND | 0.00500 | " | | ND | | | | | 200 | |
| Nitrobenzene | ND | 0.0100 | " | | ND | | | | | 200 | |
| Pentachlorophenol | ND | 0.0100 | " | | ND | | | | | 200 | |
| Pyridine | ND | 0.0100 | " | | ND | | | | | 200 | |
| Surrogate: SURR: 2-Fluorophenol | 0.0524 | | " | 0.100 | | 52.4 | 10-90.9 | | | | |
| Surrogate: SURR: Phenol-d5 | 0.0391 | | " | 0.100 | | 39.1 | 10-69.2 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 0.0325 | | " | 0.0500 | | 65.0 | 19.2-141 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 0.0374 | | " | 0.0500 | | 74.8 | 24.8-127 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 0.0921 | | " | 0.100 | | 92.1 | 23-163 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 0.0422 | | " | 0.0500 | | 84.3 | 25.8-110 | | | | |



Semivolatile 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 BD90057 - EPA 3510C

Blank (BD90057-BLK1)

Prepared: 04/01/2019 Analyzed: 04/03/2019

| | | | |
|---------------------------------------|----|------|------|
| 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 | Units | Spike | Source* | %REC | %REC | Limits | Flag | RPD | |
|---------|--------|-----------|-------|-------|---------|------|------|--------|------|-----|-------|
| | | Limit | | | | | | | | RPD | Limit |

Batch BD90057 - EPA 3510C

Blank (BD90057-BLK1)

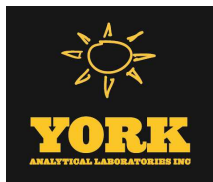
Prepared: 04/01/2019 Analyzed: 04/03/2019

| | | | | | | | | | | | |
|--|-------------|------|----------|-------------|--|-------------|--|------------------|--|--|--|
| N-Nitrosodiphenylamine | ND | 5.00 | ug/L | | | | | | | | |
| Phenol | ND | 5.00 | " | | | | | | | | |
| Pyridine | ND | 5.00 | " | | | | | | | | |
| <i>Surrogate: SURR: 2-Fluorophenol</i> | <i>17.5</i> | | <i>"</i> | <i>50.0</i> | | <i>35.0</i> | | <i>19.7-63.1</i> | | | |
| <i>Surrogate: SURR: Phenol-d5</i> | <i>10.2</i> | | <i>"</i> | <i>50.0</i> | | <i>20.3</i> | | <i>10.1-41.7</i> | | | |
| <i>Surrogate: SURR: Nitrobenzene-d5</i> | <i>16.9</i> | | <i>"</i> | <i>25.0</i> | | <i>67.8</i> | | <i>50.2-113</i> | | | |
| <i>Surrogate: SURR: 2-Fluorobiphenyl</i> | <i>18.8</i> | | <i>"</i> | <i>25.0</i> | | <i>75.2</i> | | <i>39.9-105</i> | | | |
| <i>Surrogate: SURR: 2,4,6-Tribromophenol</i> | <i>45.6</i> | | <i>"</i> | <i>50.0</i> | | <i>91.3</i> | | <i>39.3-151</i> | | | |
| <i>Surrogate: SURR: Terphenyl-d14</i> | <i>22.4</i> | | <i>"</i> | <i>25.0</i> | | <i>89.6</i> | | <i>30.7-106</i> | | | |

Blank (BD90057-BLK2)

Prepared: 04/01/2019 Analyzed: 04/04/2019

| | | | | | | | | | | | |
|----------------------------|----|--------|------|--|--|--|--|--|--|--|--|
| 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 BD90057 - EPA 3510C | | | | | | | | | | | |
| LCS (BD90057-BS1) | | | | | | | | | | | |
| Prepared: 04/01/2019 Analyzed: 04/03/2019 | | | | | | | | | | | |
| 1,1-Biphenyl | 14.7 | 5.00 | ug/L | 25.0 | | 58.7 | 33-95 | | | | |
| 1,2,4,5-Tetrachlorobenzene | 22.8 | 5.00 | " | 25.0 | | 91.3 | 26-120 | | | | |
| 1,2,4-Trichlorobenzene | 17.0 | 5.00 | " | 25.0 | | 67.9 | 20-118 | | | | |
| 1,2-Dichlorobenzene | 15.4 | 5.00 | " | 25.0 | | 61.6 | 29-111 | | | | |
| 1,2-Diphenylhydrazine (as Azobenzene) | 14.4 | 5.00 | " | 25.0 | | 57.8 | 16-141 | | | | |
| 1,3-Dichlorobenzene | 16.0 | 5.00 | " | 25.0 | | 63.8 | 23-117 | | | | |
| 1,4-Dichlorobenzene | 14.6 | 5.00 | " | 25.0 | | 58.4 | 30-105 | | | | |
| 2,3,4,6-Tetrachlorophenol | 30.2 | 5.00 | " | 25.0 | | 121 | 30-130 | | | | |
| 2,4,5-Trichlorophenol | 14.7 | 5.00 | " | 25.0 | | 58.7 | 32-114 | | | | |
| 2,4,6-Trichlorophenol | 16.4 | 5.00 | " | 25.0 | | 65.7 | 35-118 | | | | |
| 2,4-Dichlorophenol | 18.3 | 5.00 | " | 25.0 | | 73.1 | 25-116 | | | | |
| 2,4-Dimethylphenol | 14.0 | 5.00 | " | 25.0 | | 56.1 | 15-116 | | | | |
| 2,4-Dinitrophenol | 16.6 | 5.00 | " | 25.0 | | 66.5 | 10-170 | | | | |
| 2,4-Dinitrotoluene | 16.9 | 5.00 | " | 25.0 | | 67.6 | 41-128 | | | | |
| 2,6-Dinitrotoluene | 17.9 | 5.00 | " | 25.0 | | 71.6 | 45-116 | | | | |
| 2-Chloronaphthalene | 15.7 | 5.00 | " | 25.0 | | 62.9 | 33-112 | | | | |
| 2-Chlorophenol | 14.7 | 5.00 | " | 25.0 | | 58.7 | 15-120 | | | | |
| 2-Methylnaphthalene | 16.7 | 5.00 | " | 25.0 | | 66.8 | 24-118 | | | | |
| 2-Methylphenol | 12.5 | 5.00 | " | 25.0 | | 50.0 | 10-110 | | | | |
| 2-Nitroaniline | 15.3 | 5.00 | " | 25.0 | | 61.3 | 34-129 | | | | |
| 2-Nitrophenol | 16.3 | 5.00 | " | 25.0 | | 65.3 | 28-118 | | | | |
| 3- & 4-Methylphenols | 9.83 | 5.00 | " | 25.0 | | 39.3 | 10-107 | | | | |
| 3,3-Dichlorobenzidine | 14.8 | 5.00 | " | | | | 15-187 | | | | |
| 3-Nitroaniline | 15.3 | 5.00 | " | 25.0 | | 61.2 | 24-134 | | | | |
| 4,6-Dinitro-2-methylphenol | 15.7 | 5.00 | " | 25.0 | | 62.6 | 10-153 | | | | |
| 4-Bromophenyl phenyl ether | 16.0 | 5.00 | " | 25.0 | | 63.9 | 34-120 | | | | |
| 4-Chloro-3-methylphenol | 17.2 | 5.00 | " | 25.0 | | 68.7 | 20-120 | | | | |
| 4-Chloroaniline | 12.3 | 5.00 | " | 25.0 | | 49.4 | 10-147 | | | | |
| 4-Chlorophenyl phenyl ether | 16.5 | 5.00 | " | 25.0 | | 65.9 | 27-121 | | | | |
| 4-Nitroaniline | 14.7 | 5.00 | " | 25.0 | | 58.6 | 13-134 | | | | |
| 4-Nitrophenol | 6.26 | 5.00 | " | 25.0 | | 25.0 | 10-131 | | | | |
| Acetophenone | 15.4 | 5.00 | " | 25.0 | | 61.8 | 25-110 | | | | |
| Aniline | 5.66 | 5.00 | " | 25.0 | | 22.6 | 10-117 | | | | |
| Benzaldehyde | 19.2 | 5.00 | " | 25.0 | | 76.8 | 29-117 | | | | |
| Benzoic acid | ND | 50.0 | " | 34.4 | | | 30-130 | Low Bias | | | |
| Benzyl alcohol | 10.7 | 5.00 | " | 25.0 | | 42.8 | 10-117 | | | | |
| Benzyl butyl phthalate | 15.2 | 5.00 | " | 25.0 | | 60.7 | 29-133 | | | | |
| Bis(2-chloroethoxy)methane | 16.5 | 5.00 | " | 25.0 | | 66.0 | 10-154 | | | | |
| Bis(2-chloroethyl)ether | 16.5 | 5.00 | " | 25.0 | | 66.0 | 17-125 | | | | |
| Bis(2-chloroisopropyl)ether | 15.1 | 5.00 | " | 25.0 | | 60.5 | 10-139 | | | | |
| Caprolactam | 2.65 | 5.00 | " | 25.0 | | 10.6 | 10-137 | | | | |
| Carbazole | 15.9 | 5.00 | " | 25.0 | | 63.6 | 42-126 | | | | |
| Dibenzofuran | 15.8 | 5.00 | " | 25.0 | | 63.1 | 36-113 | | | | |
| Diethyl phthalate | 15.7 | 5.00 | " | 25.0 | | 62.6 | 38-115 | | | | |
| Dimethyl phthalate | 16.2 | 5.00 | " | 25.0 | | 65.0 | 38-129 | | | | |
| Di-n-butyl phthalate | 15.6 | 5.00 | " | 25.0 | | 62.3 | 31-120 | | | | |
| Di-n-octyl phthalate | 16.5 | 5.00 | " | 25.0 | | 66.0 | 21-149 | | | | |
| Hexachlorocyclopentadiene | 9.25 | 10.0 | " | 25.0 | | 37.0 | 10-130 | | | | |
| Isophorone | 16.4 | 5.00 | " | 25.0 | | 65.7 | 25-127 | | | | |
| N-nitroso-di-n-propylamine | 15.0 | 5.00 | " | 25.0 | | 60.2 | 26-122 | | | | |
| N-Nitrosodiphenylamine | 18.4 | 5.00 | " | 25.0 | | 73.5 | 23-149 | | | | |



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90057 - EPA 3510C

LCS (BD90057-BS1)

Prepared: 04/01/2019 Analyzed: 04/03/2019

| | | | | | | | | | | | |
|---------------------------------------|------|------|------|------|--|------|-----------|--|--|--|--|
| Phenol | 5.89 | 5.00 | ug/L | 25.0 | | 23.6 | 10-110 | | | | |
| Pyridine | 18.6 | 5.00 | " | 35.0 | | 53.1 | 10-90 | | | | |
| Surrogate: SURR: 2-Fluorophenol | 16.6 | | " | 50.0 | | 33.3 | 19.7-63.1 | | | | |
| Surrogate: SURR: Phenol-d5 | 9.66 | | " | 50.0 | | 19.3 | 10.1-41.7 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 15.4 | | " | 25.0 | | 61.7 | 50.2-113 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 15.4 | | " | 25.0 | | 61.8 | 39.9-105 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 35.6 | | " | 50.0 | | 71.1 | 39.3-151 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 17.3 | | " | 25.0 | | 69.3 | 30.7-106 | | | | |

LCS (BD90057-BS2)

Prepared: 04/01/2019 Analyzed: 04/04/2019

| | | | | | | | | | | | |
|----------------------------|-------|--------|------|------|--|------|--------|-----------|--|--|--|
| Acenaphthene | 0.660 | 0.0500 | ug/L | 1.00 | | 66.0 | 25-116 | | | | |
| Acenaphthylene | 0.640 | 0.0500 | " | 1.00 | | 64.0 | 26-116 | | | | |
| Anthracene | 0.750 | 0.0500 | " | 1.00 | | 75.0 | 25-123 | | | | |
| Benzo(a)anthracene | 0.820 | 0.0500 | " | 1.00 | | 82.0 | 33-125 | | | | |
| Benzo(a)pyrene | 0.890 | 0.0500 | " | 1.00 | | 89.0 | 32-132 | | | | |
| Benzo(b)fluoranthene | 0.940 | 0.0500 | " | 1.00 | | 94.0 | 22-137 | | | | |
| Benzo(g,h,i)perylene | 0.960 | 0.0500 | " | 1.00 | | 96.0 | 10-138 | | | | |
| Benzo(k)fluoranthene | 0.910 | 0.0500 | " | 1.00 | | 91.0 | 20-137 | | | | |
| Bis(2-ethylhexyl)phthalate | 3.67 | 0.500 | " | 1.00 | | 367 | 10-189 | High Bias | | | |
| Chrysene | 0.860 | 0.0500 | " | 1.00 | | 86.0 | 32-124 | | | | |
| Dibenzo(a,h)anthracene | 0.980 | 0.0500 | " | 1.00 | | 98.0 | 16-133 | | | | |
| Fluoranthene | 0.880 | 0.0500 | " | 1.00 | | 88.0 | 32-121 | | | | |
| Fluorene | 0.700 | 0.0500 | " | 1.00 | | 70.0 | 28-118 | | | | |
| Hexachlorobenzene | 0.550 | 0.0200 | " | 1.00 | | 55.0 | 23-124 | | | | |
| Hexachlorobutadiene | 0.600 | 0.500 | " | 1.00 | | 60.0 | 15-123 | | | | |
| Hexachloroethane | 0.610 | 0.500 | " | 1.00 | | 61.0 | 18-115 | | | | |
| Indeno(1,2,3-cd)pyrene | 0.960 | 0.0500 | " | 1.00 | | 96.0 | 15-135 | | | | |
| Naphthalene | 0.670 | 0.0500 | " | 1.00 | | 67.0 | 18-120 | | | | |
| Nitrobenzene | 0.720 | 0.250 | " | 1.00 | | 72.0 | 21-121 | | | | |
| N-Nitrosodimethylamine | ND | 0.500 | " | 1.00 | | | 10-124 | Low Bias | | | |
| Pentachlorophenol | 0.790 | 0.250 | " | 1.00 | | 79.0 | 10-156 | | | | |
| Phenanthrene | 0.790 | 0.0500 | " | 1.00 | | 79.0 | 24-127 | | | | |
| Pyrene | 0.780 | 0.0500 | " | 1.00 | | 78.0 | 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 BD90057 - EPA 3510C | | | | | | | | | | | |
| LCS Dup (BD90057-BSD1) | | | | | | | | | | | |
| Prepared: 04/01/2019 Analyzed: 04/03/2019 | | | | | | | | | | | |
| 1,1-Biphenyl | 19.5 | 5.00 | ug/L | 25.0 | | 78.2 | 33-95 | | 28.4 | 20 | Non-dir. |
| 1,2,4,5-Tetrachlorobenzene | 29.8 | 5.00 | " | 25.0 | | 119 | 26-120 | | 26.6 | 20 | Non-dir. |
| 1,2,4-Trichlorobenzene | 20.9 | 5.00 | " | 25.0 | | 83.6 | 20-118 | | 20.7 | 20 | Non-dir. |
| 1,2-Dichlorobenzene | 22.0 | 5.00 | " | 25.0 | | 87.8 | 29-111 | | 35.2 | 20 | Non-dir. |
| 1,2-Diphenylhydrazine (as Azobenzene) | 19.4 | 5.00 | " | 25.0 | | 77.5 | 16-141 | | 29.1 | 20 | Non-dir. |
| 1,3-Dichlorobenzene | 21.5 | 5.00 | " | 25.0 | | 86.2 | 23-117 | | 29.8 | 20 | Non-dir. |
| 1,4-Dichlorobenzene | 19.3 | 5.00 | " | 25.0 | | 77.3 | 30-105 | | 27.8 | 20 | Non-dir. |
| 2,3,4,6-Tetrachlorophenol | 38.6 | 5.00 | " | 25.0 | | 155 | 30-130 | High Bias | 24.5 | 20 | Non-dir. |
| 2,4,5-Trichlorophenol | 18.6 | 5.00 | " | 25.0 | | 74.4 | 32-114 | | 23.6 | 20 | Non-dir. |
| 2,4,6-Trichlorophenol | 21.3 | 5.00 | " | 25.0 | | 85.1 | 35-118 | | 25.7 | 20 | Non-dir. |
| 2,4-Dichlorophenol | 23.3 | 5.00 | " | 25.0 | | 93.3 | 25-116 | | 24.2 | 20 | Non-dir. |
| 2,4-Dimethylphenol | 19.3 | 5.00 | " | 25.0 | | 77.4 | 15-116 | | 31.9 | 20 | Non-dir. |
| 2,4-Dinitrophenol | 23.0 | 5.00 | " | 25.0 | | 91.9 | 10-170 | | 32.1 | 20 | Non-dir. |
| 2,4-Dinitrotoluene | 22.4 | 5.00 | " | 25.0 | | 89.5 | 41-128 | | 27.9 | 20 | Non-dir. |
| 2,6-Dinitrotoluene | 23.8 | 5.00 | " | 25.0 | | 95.0 | 45-116 | | 28.1 | 20 | Non-dir. |
| 2-Chloronaphthalene | 19.5 | 5.00 | " | 25.0 | | 78.1 | 33-112 | | 21.6 | 20 | Non-dir. |
| 2-Chlorophenol | 21.5 | 5.00 | " | 25.0 | | 85.9 | 15-120 | | 37.7 | 20 | Non-dir. |
| 2-Methylnaphthalene | 21.8 | 5.00 | " | 25.0 | | 87.3 | 24-118 | | 26.6 | 20 | Non-dir. |
| 2-Methylphenol | 17.4 | 5.00 | " | 25.0 | | 69.4 | 10-110 | | 32.6 | 20 | Non-dir. |
| 2-Nitroaniline | 19.6 | 5.00 | " | 25.0 | | 78.4 | 34-129 | | 24.5 | 20 | Non-dir. |
| 2-Nitrophenol | 21.8 | 5.00 | " | 25.0 | | 87.0 | 28-118 | | 28.6 | 20 | Non-dir. |
| 3- & 4-Methylphenols | 13.8 | 5.00 | " | 25.0 | | 55.3 | 10-107 | | 33.8 | 20 | Non-dir. |
| 3,3-Dichlorobenzidine | 20.1 | 5.00 | " | | | | 15-187 | | 30.7 | 20 | Non-dir. |
| 3-Nitroaniline | 15.0 | 5.00 | " | 25.0 | | 60.0 | 24-134 | | 1.98 | 20 | |
| 4,6-Dinitro-2-methylphenol | 24.5 | 5.00 | " | 25.0 | | 98.0 | 10-153 | | 44.0 | 20 | Non-dir. |
| 4-Bromophenyl phenyl ether | 22.3 | 5.00 | " | 25.0 | | 89.2 | 34-120 | | 33.1 | 20 | Non-dir. |
| 4-Chloro-3-methylphenol | 21.3 | 5.00 | " | 25.0 | | 85.2 | 20-120 | | 21.5 | 20 | Non-dir. |
| 4-Chloroaniline | 11.0 | 5.00 | " | 25.0 | | 43.9 | 10-147 | | 11.8 | 20 | |
| 4-Chlorophenyl phenyl ether | 21.9 | 5.00 | " | 25.0 | | 87.4 | 27-121 | | 28.1 | 20 | Non-dir. |
| 4-Nitroaniline | 17.8 | 5.00 | " | 25.0 | | 71.2 | 13-134 | | 19.3 | 20 | |
| 4-Nitrophenol | 8.08 | 5.00 | " | 25.0 | | 32.3 | 10-131 | | 25.4 | 20 | Non-dir. |
| Acetophenone | 21.0 | 5.00 | " | 25.0 | | 83.9 | 25-110 | | 30.4 | 20 | Non-dir. |
| Aniline | 4.73 | 5.00 | " | 25.0 | | 18.9 | 10-117 | | 17.9 | 20 | |
| Benzaldehyde | 25.8 | 5.00 | " | 25.0 | | 103 | 29-117 | | 29.5 | 20 | Non-dir. |
| Benzoic acid | ND | 50.0 | " | 34.4 | | | 30-130 | Low Bias | | 20 | |
| Benzyl alcohol | 15.0 | 5.00 | " | 25.0 | | 60.0 | 10-117 | | 33.5 | 20 | Non-dir. |
| Benzyl butyl phthalate | 21.0 | 5.00 | " | 25.0 | | 84.2 | 29-133 | | 32.4 | 20 | Non-dir. |
| Bis(2-chloroethoxy)methane | 21.8 | 5.00 | " | 25.0 | | 87.2 | 10-154 | | 27.6 | 20 | Non-dir. |
| Bis(2-chloroethyl)ether | 22.9 | 5.00 | " | 25.0 | | 91.5 | 17-125 | | 32.4 | 20 | Non-dir. |
| Bis(2-chloroisopropyl)ether | 21.6 | 5.00 | " | 25.0 | | 86.2 | 10-139 | | 35.1 | 20 | Non-dir. |
| Caprolactam | 3.07 | 5.00 | " | 25.0 | | 12.3 | 10-137 | | 14.7 | 20 | |
| Carbazole | 21.4 | 5.00 | " | 25.0 | | 85.5 | 42-126 | | 29.5 | 20 | Non-dir. |
| Dibenzofuran | 20.2 | 5.00 | " | 25.0 | | 80.7 | 36-113 | | 24.4 | 20 | Non-dir. |
| Diethyl phthalate | 20.4 | 5.00 | " | 25.0 | | 81.6 | 38-115 | | 26.2 | 20 | Non-dir. |
| Dimethyl phthalate | 21.3 | 5.00 | " | 25.0 | | 85.2 | 38-129 | | 27.0 | 20 | Non-dir. |
| Di-n-butyl phthalate | 21.2 | 5.00 | " | 25.0 | | 84.8 | 31-120 | | 30.6 | 20 | Non-dir. |
| Di-n-octyl phthalate | 21.7 | 5.00 | " | 25.0 | | 87.0 | 21-149 | | 27.4 | 20 | Non-dir. |
| Hexachlorocyclopentadiene | 12.0 | 10.0 | " | 25.0 | | 47.8 | 10-130 | | 25.5 | 20 | Non-dir. |
| Isophorone | 21.9 | 5.00 | " | 25.0 | | 87.4 | 25-127 | | 28.4 | 20 | Non-dir. |
| N-nitroso-di-n-propylamine | 20.5 | 5.00 | " | 25.0 | | 81.9 | 26-122 | | 30.5 | 20 | Non-dir. |
| N-Nitrosodiphenylamine | 25.1 | 5.00 | " | 25.0 | | 100 | 23-149 | | 30.8 | 20 | Non-dir. |



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90057 - EPA 3510C

LCS Dup (BD90057-BSD1)

Prepared: 04/01/2019 Analyzed: 04/03/2019

| | | | | | | | | | | | |
|--|-------------|------|----------|-------------|--|-------------|------------------|--|------|----|----------|
| Phenol | 8.27 | 5.00 | ug/L | 25.0 | | 33.1 | 10-110 | | 33.6 | 20 | Non-dir. |
| Pyridine | 22.9 | 5.00 | " | 35.0 | | 65.5 | 10-90 | | 20.9 | 20 | Non-dir. |
| <i>Surrogate: SURR: 2-Fluorophenol</i> | <i>23.0</i> | | <i>"</i> | <i>50.0</i> | | <i>46.0</i> | <i>19.7-63.1</i> | | | | |
| <i>Surrogate: SURR: Phenol-d5</i> | <i>13.1</i> | | <i>"</i> | <i>50.0</i> | | <i>26.2</i> | <i>10.1-41.7</i> | | | | |
| <i>Surrogate: SURR: Nitrobenzene-d5</i> | <i>20.3</i> | | <i>"</i> | <i>25.0</i> | | <i>81.4</i> | <i>50.2-113</i> | | | | |
| <i>Surrogate: SURR: 2-Fluorobiphenyl</i> | <i>20.3</i> | | <i>"</i> | <i>25.0</i> | | <i>81.2</i> | <i>39.9-105</i> | | | | |
| <i>Surrogate: SURR: 2,4,6-Tribromophenol</i> | <i>48.0</i> | | <i>"</i> | <i>50.0</i> | | <i>96.1</i> | <i>39.3-151</i> | | | | |
| <i>Surrogate: SURR: Terphenyl-d14</i> | <i>22.9</i> | | <i>"</i> | <i>25.0</i> | | <i>91.7</i> | <i>30.7-106</i> | | | | |

Batch BD90108 - EPA 3550C

Blank (BD90108-BLK1)

Prepared: 04/02/2019 Analyzed: 04/03/2019

| | | | | | | | | | | | |
|---------------------------------------|----|--------|-----------|--|--|--|--|--|--|--|--|
| 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 |
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|

Batch BD90108 - EPA 3550C

Blank (BD90108-BLK1)

Prepared: 04/02/2019 Analyzed: 04/03/2019

| | | | | | | | | | | | |
|---------------------------------------|--------|--------|-----------|-------|--|------|--------|--|--|--|--|
| 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 | 0.0493 | 0.0417 | " | | | | | | | | |
| Caprolactam | ND | 0.0833 | " | | | | | | | | |
| Carbazole | ND | 0.0417 | " | | | | | | | | |
| Chrysene | ND | 0.0417 | " | | | | | | | | |
| Dibenzo(a,h)anthracene | ND | 0.0417 | " | | | | | | | | |
| Dibenzofuran | ND | 0.0417 | " | | | | | | | | |
| Diethyl phthalate | ND | 0.0417 | " | | | | | | | | |
| Dimethyl phthalate | ND | 0.0417 | " | | | | | | | | |
| Di-n-butyl phthalate | ND | 0.0417 | " | | | | | | | | |
| Di-n-octyl phthalate | ND | 0.0417 | " | | | | | | | | |
| Fluoranthene | ND | 0.0417 | " | | | | | | | | |
| Fluorene | ND | 0.0417 | " | | | | | | | | |
| Hexachlorobenzene | ND | 0.0417 | " | | | | | | | | |
| Hexachlorobutadiene | ND | 0.0417 | " | | | | | | | | |
| Hexachlorocyclopentadiene | ND | 0.0417 | " | | | | | | | | |
| Hexachloroethane | ND | 0.0417 | " | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 0.0417 | " | | | | | | | | |
| Isophorone | ND | 0.0417 | " | | | | | | | | |
| Naphthalene | ND | 0.0417 | " | | | | | | | | |
| Nitrobenzene | ND | 0.0417 | " | | | | | | | | |
| N-Nitrosodimethylamine | ND | 0.0417 | " | | | | | | | | |
| N-nitroso-di-n-propylamine | ND | 0.0417 | " | | | | | | | | |
| N-Nitrosodiphenylamine | ND | 0.0417 | " | | | | | | | | |
| Pentachlorophenol | ND | 0.0417 | " | | | | | | | | |
| Phenanthrene | ND | 0.0417 | " | | | | | | | | |
| Phenol | ND | 0.0417 | " | | | | | | | | |
| Pyrene | ND | 0.0417 | " | | | | | | | | |
| Pyridine | ND | 0.167 | " | | | | | | | | |
| Surrogate: SURR: 2-Fluorophenol | 1.38 | | " | 1.67 | | 82.8 | 20-108 | | | | |
| Surrogate: SURR: Phenol-d5 | 1.39 | | " | 1.67 | | 83.3 | 23-114 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 0.774 | | " | 0.833 | | 92.9 | 22-108 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 0.770 | | " | 0.833 | | 92.4 | 21-113 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.33 | | " | 1.67 | | 79.7 | 19-110 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 0.798 | | " | 0.833 | | 95.8 | 24-116 | | | | |



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---|--------|-----------------|-----------|-------------|----------------|------|-------------|-----------|-----|-----------|------|
| Batch BD90108 - EPA 3550C | | | | | | | | | | | |
| LCS (BD90108-BS1) | | | | | | | | | | | |
| Prepared: 04/02/2019 Analyzed: 04/03/2019 | | | | | | | | | | | |
| 1,1-Biphenyl | 0.749 | 0.0417 | mg/kg wet | 0.833 | | 89.9 | 18-111 | | | | |
| 1,2,4,5-Tetrachlorobenzene | 1.04 | 0.0833 | " | 0.833 | | 125 | 21-131 | | | | |
| 1,2,4-Trichlorobenzene | 0.731 | 0.0417 | " | 0.833 | | 87.7 | 10-140 | | | | |
| 1,2-Dichlorobenzene | 0.687 | 0.0417 | " | 0.833 | | 82.4 | 34-108 | | | | |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.739 | 0.0417 | " | 0.833 | | 88.7 | 17-137 | | | | |
| 1,3-Dichlorobenzene | 0.703 | 0.0417 | " | 0.833 | | 84.3 | 33-110 | | | | |
| 1,4-Dichlorobenzene | 0.649 | 0.0417 | " | 0.833 | | 77.9 | 32-104 | | | | |
| 2,3,4,6-Tetrachlorophenol | 1.51 | 0.0833 | " | 0.833 | | 182 | 30-130 | High Bias | | | |
| 2,4,5-Trichlorophenol | 0.625 | 0.0417 | " | 0.833 | | 75.0 | 27-118 | | | | |
| 2,4,6-Trichlorophenol | 0.787 | 0.0417 | " | 0.833 | | 94.4 | 31-120 | | | | |
| 2,4-Dichlorophenol | 0.820 | 0.0417 | " | 0.833 | | 98.4 | 20-127 | | | | |
| 2,4-Dimethylphenol | 0.752 | 0.0417 | " | 0.833 | | 90.2 | 14-132 | | | | |
| 2,4-Dinitrophenol | 0.519 | 0.0833 | " | 0.833 | | 62.2 | 10-171 | | | | |
| 2,4-Dinitrotoluene | 0.792 | 0.0417 | " | 0.833 | | 95.0 | 34-131 | | | | |
| 2,6-Dinitrotoluene | 0.846 | 0.0417 | " | 0.833 | | 102 | 31-128 | | | | |
| 2-Chloronaphthalene | 0.714 | 0.0417 | " | 0.833 | | 85.7 | 31-117 | | | | |
| 2-Chlorophenol | 0.757 | 0.0417 | " | 0.833 | | 90.8 | 33-113 | | | | |
| 2-Methylnaphthalene | 0.755 | 0.0417 | " | 0.833 | | 90.6 | 12-138 | | | | |
| 2-Methylphenol | 0.675 | 0.0417 | " | 0.833 | | 81.0 | 10-136 | | | | |
| 2-Nitroaniline | 0.713 | 0.0833 | " | 0.833 | | 85.6 | 27-132 | | | | |
| 2-Nitrophenol | 0.783 | 0.0417 | " | 0.833 | | 94.0 | 17-129 | | | | |
| 3- & 4-Methylphenols | 0.597 | 0.0417 | " | 0.833 | | 71.7 | 29-103 | | | | |
| 3,3-Dichlorobenzidine | 0.640 | 0.0417 | " | 0.833 | | 76.8 | 22-149 | | | | |
| 3-Nitroaniline | 0.606 | 0.0833 | " | 0.833 | | 72.7 | 20-133 | | | | |
| 4,6-Dinitro-2-methylphenol | 0.677 | 0.0833 | " | 0.833 | | 81.2 | 10-143 | | | | |
| 4-Bromophenyl phenyl ether | 0.705 | 0.0417 | " | 0.833 | | 84.6 | 29-120 | | | | |
| 4-Chloro-3-methylphenol | 0.745 | 0.0417 | " | 0.833 | | 89.4 | 24-129 | | | | |
| 4-Chloroaniline | 0.378 | 0.0417 | " | 0.833 | | 45.4 | 10-132 | | | | |
| 4-Chlorophenyl phenyl ether | 0.728 | 0.0417 | " | 0.833 | | 87.4 | 27-124 | | | | |
| 4-Nitroaniline | 0.756 | 0.0833 | " | 0.833 | | 90.7 | 16-128 | | | | |
| 4-Nitrophenol | 0.759 | 0.0833 | " | 0.833 | | 91.1 | 10-141 | | | | |
| Acenaphthene | 0.708 | 0.0417 | " | 0.833 | | 85.0 | 30-121 | | | | |
| Acenaphthylene | 0.682 | 0.0417 | " | 0.833 | | 81.8 | 30-115 | | | | |
| Acetophenone | 0.697 | 0.0417 | " | 0.833 | | 83.6 | 20-112 | | | | |
| Aniline | 0.500 | 0.167 | " | 0.833 | | 60.0 | 10-119 | | | | |
| Anthracene | 0.717 | 0.0417 | " | 0.833 | | 86.0 | 34-118 | | | | |
| Atrazine | 0.711 | 0.0417 | " | 0.833 | | 85.3 | 26-112 | | | | |
| Benzaldehyde | 0.907 | 0.0417 | " | 0.833 | | 109 | 21-100 | High Bias | | | |
| Benzo(a)anthracene | 0.683 | 0.0417 | " | 0.833 | | 82.0 | 32-122 | | | | |
| Benzo(a)pyrene | 0.737 | 0.0417 | " | 0.833 | | 88.4 | 29-133 | | | | |
| Benzo(b)fluoranthene | 0.721 | 0.0417 | " | 0.833 | | 86.6 | 25-133 | | | | |
| Benzo(g,h,i)perylene | 0.709 | 0.0417 | " | 0.833 | | 85.1 | 10-143 | | | | |
| Benzo(k)fluoranthene | 0.708 | 0.0417 | " | 0.833 | | 84.9 | 25-128 | | | | |
| Benzoic acid | 0.353 | 0.0417 | " | 1.15 | | 30.8 | 10-140 | | | | |
| Benzyl alcohol | 0.784 | 0.0417 | " | 0.833 | | 94.1 | 30-115 | | | | |
| Benzyl butyl phthalate | 0.757 | 0.0417 | " | 0.833 | | 90.9 | 26-126 | | | | |
| Bis(2-chloroethoxy)methane | 0.773 | 0.0417 | " | 0.833 | | 92.7 | 19-132 | | | | |
| Bis(2-chloroethyl)ether | 0.759 | 0.0417 | " | 0.833 | | 91.1 | 19-125 | | | | |
| Bis(2-chloroisopropyl)ether | 0.778 | 0.0417 | " | 0.833 | | 93.4 | 20-135 | | | | |
| Bis(2-ethylhexyl)phthalate | 0.796 | 0.0417 | " | 0.833 | | 95.6 | 10-155 | | | | |
| Caprolactam | 0.641 | 0.0833 | " | 0.833 | | 76.9 | 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 |
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|

Batch BD90108 - EPA 3550C

LCS (BD90108-BS1)

Prepared: 04/02/2019 Analyzed: 04/03/2019

| | | | | | | | | | | | |
|---------------------------------------|-------|--------|-----------|-------|--|------|--------|--|--|--|--|
| Carbazole | 0.724 | 0.0417 | mg/kg wet | 0.833 | | 86.8 | 35-123 | | | | |
| Chrysene | 0.750 | 0.0417 | " | 0.833 | | 90.0 | 32-123 | | | | |
| Dibenzo(a,h)anthracene | 0.741 | 0.0417 | " | 0.833 | | 88.9 | 10-136 | | | | |
| Dibenzofuran | 0.734 | 0.0417 | " | 0.833 | | 88.0 | 29-121 | | | | |
| Diethyl phthalate | 0.739 | 0.0417 | " | 0.833 | | 88.6 | 34-116 | | | | |
| Dimethyl phthalate | 0.752 | 0.0417 | " | 0.833 | | 90.3 | 35-124 | | | | |
| Di-n-butyl phthalate | 0.713 | 0.0417 | " | 0.833 | | 85.6 | 31-116 | | | | |
| Di-n-octyl phthalate | 0.754 | 0.0417 | " | 0.833 | | 90.4 | 26-136 | | | | |
| Fluoranthene | 0.702 | 0.0417 | " | 0.833 | | 84.3 | 33-122 | | | | |
| Fluorene | 0.693 | 0.0417 | " | 0.833 | | 83.2 | 29-123 | | | | |
| Hexachlorobenzene | 0.715 | 0.0417 | " | 0.833 | | 85.8 | 21-124 | | | | |
| Hexachlorobutadiene | 0.727 | 0.0417 | " | 0.833 | | 87.2 | 10-149 | | | | |
| Hexachlorocyclopentadiene | 0.646 | 0.0417 | " | 0.833 | | 77.5 | 10-129 | | | | |
| Hexachloroethane | 0.705 | 0.0417 | " | 0.833 | | 84.6 | 28-108 | | | | |
| Indeno(1,2,3-cd)pyrene | 0.725 | 0.0417 | " | 0.833 | | 87.0 | 10-135 | | | | |
| Isophorone | 0.761 | 0.0417 | " | 0.833 | | 91.4 | 20-132 | | | | |
| Naphthalene | 0.718 | 0.0417 | " | 0.833 | | 86.1 | 23-124 | | | | |
| Nitrobenzene | 0.724 | 0.0417 | " | 0.833 | | 86.9 | 13-132 | | | | |
| N-Nitrosodimethylamine | 0.693 | 0.0417 | " | 0.833 | | 83.2 | 11-129 | | | | |
| N-nitroso-di-n-propylamine | 0.660 | 0.0417 | " | 0.833 | | 79.2 | 24-119 | | | | |
| N-Nitrosodiphenylamine | 0.913 | 0.0417 | " | 0.833 | | 110 | 22-152 | | | | |
| Pentachlorophenol | 0.642 | 0.0417 | " | 0.833 | | 77.1 | 10-139 | | | | |
| Phenanthrene | 0.722 | 0.0417 | " | 0.833 | | 86.7 | 33-123 | | | | |
| Phenol | 0.758 | 0.0417 | " | 0.833 | | 91.0 | 23-115 | | | | |
| Pyrene | 0.772 | 0.0417 | " | 0.833 | | 92.6 | 32-130 | | | | |
| Pyridine | 0.537 | 0.167 | " | 0.833 | | 64.4 | 10-91 | | | | |
| Surrogate: SURR: 2-Fluorophenol | 1.36 | | " | 1.67 | | 81.4 | 20-108 | | | | |
| Surrogate: SURR: Phenol-d5 | 1.37 | | " | 1.67 | | 82.0 | 23-114 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 0.768 | | " | 0.833 | | 92.2 | 22-108 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 0.720 | | " | 0.833 | | 86.4 | 21-113 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 1.40 | | " | 1.67 | | 84.0 | 19-110 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 0.787 | | " | 0.833 | | 94.5 | 24-116 | | | | |



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90227 - EPA 3510C

Blank (BD90227-BLK1)

Prepared: 04/04/2019 Analyzed: 04/05/2019

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

Batch BD90227 - EPA 3510C

Blank (BD90227-BLK1)

Prepared: 04/04/2019 Analyzed: 04/05/2019

| | | | | | | | | | | | |
|--|-------------|------|----------|-------------|--|-------------|------------------|--|--|--|--|
| N-Nitrosodiphenylamine | ND | 5.00 | ug/L | | | | | | | | |
| Phenol | ND | 5.00 | " | | | | | | | | |
| Pyridine | ND | 5.00 | " | | | | | | | | |
| <i>Surrogate: SURR: 2-Fluorophenol</i> | <i>19.8</i> | | <i>"</i> | <i>50.0</i> | | <i>39.6</i> | <i>19.7-63.1</i> | | | | |
| <i>Surrogate: SURR: Phenol-d5</i> | <i>11.5</i> | | <i>"</i> | <i>50.0</i> | | <i>23.1</i> | <i>10.1-41.7</i> | | | | |
| <i>Surrogate: SURR: Nitrobenzene-d5</i> | <i>20.0</i> | | <i>"</i> | <i>25.0</i> | | <i>80.0</i> | <i>50.2-113</i> | | | | |
| <i>Surrogate: SURR: 2-Fluorobiphenyl</i> | <i>19.1</i> | | <i>"</i> | <i>25.0</i> | | <i>76.4</i> | <i>39.9-105</i> | | | | |
| <i>Surrogate: SURR: 2,4,6-Tribromophenol</i> | <i>43.2</i> | | <i>"</i> | <i>50.0</i> | | <i>86.5</i> | <i>39.3-151</i> | | | | |
| <i>Surrogate: SURR: Terphenyl-d14</i> | <i>20.7</i> | | <i>"</i> | <i>25.0</i> | | <i>82.6</i> | <i>30.7-106</i> | | | | |

Blank (BD90227-BLK2)

Prepared & Analyzed: 04/04/2019

| | | | | | | | | | | | |
|----------------------------|----|--------|------|--|--|--|--|--|--|--|--|
| 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 BD90227 - EPA 3510C | | | | | | | | | | | |
| LCS (BD90227-BS1) | | | | | | | | | | | |
| Prepared: 04/04/2019 Analyzed: 04/05/2019 | | | | | | | | | | | |
| 1,1-Biphenyl | 17.2 | 5.00 | ug/L | 25.0 | | 68.9 | 33-95 | | | | |
| 1,2,4,5-Tetrachlorobenzene | 26.1 | 5.00 | " | 25.0 | | 104 | 26-120 | | | | |
| 1,2,4-Trichlorobenzene | 19.3 | 5.00 | " | 25.0 | | 77.0 | 20-118 | | | | |
| 1,2-Dichlorobenzene | 18.1 | 5.00 | " | 25.0 | | 72.4 | 29-111 | | | | |
| 1,2-Diphenylhydrazine (as Azobenzene) | 16.1 | 5.00 | " | 25.0 | | 64.6 | 16-141 | | | | |
| 1,3-Dichlorobenzene | 17.5 | 5.00 | " | 25.0 | | 70.2 | 23-117 | | | | |
| 1,4-Dichlorobenzene | 16.7 | 5.00 | " | 25.0 | | 66.6 | 30-105 | | | | |
| 2,3,4,6-Tetrachlorophenol | 36.4 | 5.00 | " | 25.0 | | 146 | 30-130 | High Bias | | | |
| 2,4,5-Trichlorophenol | 17.4 | 5.00 | " | 25.0 | | 69.6 | 32-114 | | | | |
| 2,4,6-Trichlorophenol | 18.5 | 5.00 | " | 25.0 | | 73.9 | 35-118 | | | | |
| 2,4-Dichlorophenol | 20.3 | 5.00 | " | 25.0 | | 81.2 | 25-116 | | | | |
| 2,4-Dimethylphenol | 18.4 | 5.00 | " | 25.0 | | 73.6 | 15-116 | | | | |
| 2,4-Dinitrophenol | 23.9 | 5.00 | " | 25.0 | | 95.7 | 10-170 | | | | |
| 2,4-Dinitrotoluene | 22.8 | 5.00 | " | 25.0 | | 91.1 | 41-128 | | | | |
| 2,6-Dinitrotoluene | 21.9 | 5.00 | " | 25.0 | | 87.6 | 45-116 | | | | |
| 2-Chloronaphthalene | 17.4 | 5.00 | " | 25.0 | | 69.5 | 33-112 | | | | |
| 2-Chlorophenol | 18.0 | 5.00 | " | 25.0 | | 72.0 | 15-120 | | | | |
| 2-Methylnaphthalene | 19.4 | 5.00 | " | 25.0 | | 77.5 | 24-118 | | | | |
| 2-Methylphenol | 14.6 | 5.00 | " | 25.0 | | 58.4 | 10-110 | | | | |
| 2-Nitroaniline | 18.6 | 5.00 | " | 25.0 | | 74.6 | 34-129 | | | | |
| 2-Nitrophenol | 21.7 | 5.00 | " | 25.0 | | 86.9 | 28-118 | | | | |
| 3- & 4-Methylphenols | 11.6 | 5.00 | " | 25.0 | | 46.4 | 10-107 | | | | |
| 3,3-Dichlorobenzidine | 17.3 | 5.00 | " | 25.0 | | 69.3 | 15-187 | | | | |
| 3-Nitroaniline | 15.8 | 5.00 | " | 25.0 | | 63.3 | 24-134 | | | | |
| 4,6-Dinitro-2-methylphenol | 26.4 | 5.00 | " | 25.0 | | 106 | 10-153 | | | | |
| 4-Bromophenyl phenyl ether | 19.3 | 5.00 | " | 25.0 | | 77.2 | 34-120 | | | | |
| 4-Chloro-3-methylphenol | 19.6 | 5.00 | " | 25.0 | | 78.4 | 20-120 | | | | |
| 4-Chloroaniline | 12.8 | 5.00 | " | 25.0 | | 51.3 | 10-147 | | | | |
| 4-Chlorophenyl phenyl ether | 18.9 | 5.00 | " | 25.0 | | 75.7 | 27-121 | | | | |
| 4-Nitroaniline | 16.6 | 5.00 | " | 25.0 | | 66.6 | 13-134 | | | | |
| 4-Nitrophenol | 7.81 | 5.00 | " | 25.0 | | 31.2 | 10-131 | | | | |
| Acetophenone | 18.4 | 5.00 | " | 25.0 | | 73.8 | 25-110 | | | | |
| Aniline | 10.9 | 5.00 | " | 25.0 | | 43.4 | 10-117 | | | | |
| Benzaldehyde | 21.5 | 5.00 | " | 25.0 | | 86.1 | 29-117 | | | | |
| Benzoic acid | ND | 50.0 | " | 34.4 | | | 30-130 | Low Bias | | | |
| Benzyl alcohol | 15.0 | 5.00 | " | 25.0 | | 59.8 | 10-117 | | | | |
| Benzyl butyl phthalate | 18.2 | 5.00 | " | 25.0 | | 73.0 | 29-133 | | | | |
| Bis(2-chloroethoxy)methane | 18.8 | 5.00 | " | 25.0 | | 75.2 | 10-154 | | | | |
| Bis(2-chloroethyl)ether | 20.0 | 5.00 | " | 25.0 | | 80.0 | 17-125 | | | | |
| Bis(2-chloroisopropyl)ether | 19.3 | 5.00 | " | 25.0 | | 77.0 | 10-139 | | | | |
| Caprolactam | 3.22 | 5.00 | " | 25.0 | | 12.9 | 10-137 | | | | |
| Carbazole | 18.6 | 5.00 | " | 25.0 | | 74.4 | 42-126 | | | | |
| Dibenzofuran | 18.0 | 5.00 | " | 25.0 | | 72.0 | 36-113 | | | | |
| Diethyl phthalate | 20.2 | 5.00 | " | 25.0 | | 80.8 | 38-115 | | | | |
| Dimethyl phthalate | 18.9 | 5.00 | " | 25.0 | | 75.7 | 38-129 | | | | |
| Di-n-butyl phthalate | 19.0 | 5.00 | " | 25.0 | | 75.9 | 31-120 | | | | |
| Di-n-octyl phthalate | 19.8 | 5.00 | " | 25.0 | | 79.1 | 21-149 | | | | |
| Hexachlorocyclopentadiene | 15.9 | 10.0 | " | 25.0 | | 63.6 | 10-130 | | | | |
| Isophorone | 18.6 | 5.00 | " | 25.0 | | 74.3 | 25-127 | | | | |
| N-nitroso-di-n-propylamine | 17.3 | 5.00 | " | 25.0 | | 69.4 | 26-122 | | | | |
| N-Nitrosodiphenylamine | 22.8 | 5.00 | " | 25.0 | | 91.4 | 23-149 | | | | |



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90227 - EPA 3510C

LCS (BD90227-BS1)

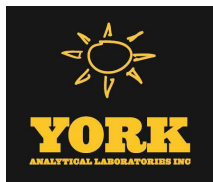
Prepared: 04/04/2019 Analyzed: 04/05/2019

| | | | | | | | | | | | |
|---------------------------------------|------|------|------|------|--|------|-----------|--|--|--|--|
| Phenol | 8.15 | 5.00 | ug/L | 25.0 | | 32.6 | 10-110 | | | | |
| Pyridine | 27.5 | 5.00 | " | 35.0 | | 78.6 | 10-90 | | | | |
| Surrogate: SURR: 2-Fluorophenol | 18.9 | | " | 50.0 | | 37.8 | 19.7-63.1 | | | | |
| Surrogate: SURR: Phenol-d5 | 11.5 | | " | 50.0 | | 23.0 | 10.1-41.7 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 18.6 | | " | 25.0 | | 74.3 | 50.2-113 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 17.5 | | " | 25.0 | | 70.2 | 39.9-105 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 44.6 | | " | 50.0 | | 89.3 | 39.3-151 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 21.0 | | " | 25.0 | | 83.9 | 30.7-106 | | | | |

LCS (BD90227-BS2)

Prepared & Analyzed: 04/04/2019

| | | | | | | | | | | | |
|----------------------------|-------|--------|------|------|--|------|--------|----------|--|--|--|
| Acenaphthene | 0.820 | 0.0500 | ug/L | 1.00 | | 82.0 | 25-116 | | | | |
| Acenaphthylene | 0.820 | 0.0500 | " | 1.00 | | 82.0 | 26-116 | | | | |
| Anthracene | 0.880 | 0.0500 | " | 1.00 | | 88.0 | 25-123 | | | | |
| Benzo(a)anthracene | 0.900 | 0.0500 | " | 1.00 | | 90.0 | 33-125 | | | | |
| Benzo(a)pyrene | 0.970 | 0.0500 | " | 1.00 | | 97.0 | 32-132 | | | | |
| Benzo(b)fluoranthene | 0.970 | 0.0500 | " | 1.00 | | 97.0 | 22-137 | | | | |
| Benzo(g,h,i)perylene | 1.23 | 0.0500 | " | 1.00 | | 123 | 10-138 | | | | |
| Benzo(k)fluoranthene | 0.950 | 0.0500 | " | 1.00 | | 95.0 | 20-137 | | | | |
| Bis(2-ethylhexyl)phthalate | 1.73 | 0.500 | " | 1.00 | | 173 | 10-189 | | | | |
| Chrysene | 0.930 | 0.0500 | " | 1.00 | | 93.0 | 32-124 | | | | |
| Dibenzo(a,h)anthracene | 1.31 | 0.0500 | " | 1.00 | | 131 | 16-133 | | | | |
| Fluoranthene | 1.02 | 0.0500 | " | 1.00 | | 102 | 32-121 | | | | |
| Fluorene | 0.870 | 0.0500 | " | 1.00 | | 87.0 | 28-118 | | | | |
| Hexachlorobenzene | 0.660 | 0.0200 | " | 1.00 | | 66.0 | 23-124 | | | | |
| Hexachlorobutadiene | 0.820 | 0.500 | " | 1.00 | | 82.0 | 15-123 | | | | |
| Hexachloroethane | 0.790 | 0.500 | " | 1.00 | | 79.0 | 18-115 | | | | |
| Indeno(1,2,3-cd)pyrene | 1.25 | 0.0500 | " | 1.00 | | 125 | 15-135 | | | | |
| Naphthalene | 0.880 | 0.0500 | " | 1.00 | | 88.0 | 18-120 | | | | |
| Nitrobenzene | 1.03 | 0.250 | " | 1.00 | | 103 | 21-121 | | | | |
| N-Nitrosodimethylamine | ND | 0.500 | " | 1.00 | | | 10-124 | Low Bias | | | |
| Pentachlorophenol | 1.25 | 0.250 | " | 1.00 | | 125 | 10-156 | | | | |
| Phenanthrene | 0.900 | 0.0500 | " | 1.00 | | 90.0 | 24-127 | | | | |
| Pyrene | 0.790 | 0.0500 | " | 1.00 | | 79.0 | 31-132 | | | | |



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Table with 12 columns: Analyte, Result, Reporting Limit, Units, Spike Level, Source* Result, %REC, %REC Limits, Flag, RPD, RPD Limit, Flag

Batch BD90227 - EPA 3510C

LCS Dup (BD90227-BSD1)

Prepared: 04/04/2019 Analyzed: 04/05/2019

Main data table listing 40 analytes with their respective results, reporting limits, units, spike levels, source results, %REC, %REC limits, flags (High Bias, Low Bias), RPD, and RPD limits.



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90227 - EPA 3510C

LCS Dup (BD90227-BSD1)

Prepared: 04/04/2019 Analyzed: 04/05/2019

| | | | | | | | | | | | |
|---------------------------------------|------|------|------|------|--|------|-----------|--|------|----|--|
| Phenol | 7.85 | 5.00 | ug/L | 25.0 | | 31.4 | 10-110 | | 3.75 | 20 | |
| Pyridine | 24.8 | 5.00 | " | 35.0 | | 70.7 | 10-90 | | 10.6 | 20 | |
| Surrogate: SURR: 2-Fluorophenol | 19.5 | | " | 50.0 | | 38.9 | 19.7-63.1 | | | | |
| Surrogate: SURR: Phenol-d5 | 11.4 | | " | 50.0 | | 22.8 | 10.1-41.7 | | | | |
| Surrogate: SURR: Nitrobenzene-d5 | 19.3 | | " | 25.0 | | 77.3 | 50.2-113 | | | | |
| Surrogate: SURR: 2-Fluorobiphenyl | 19.6 | | " | 25.0 | | 78.5 | 39.9-105 | | | | |
| Surrogate: SURR: 2,4,6-Tribromophenol | 48.2 | | " | 50.0 | | 96.4 | 39.3-151 | | | | |
| Surrogate: SURR: Terphenyl-d14 | 23.0 | | " | 25.0 | | 92.1 | 30.7-106 | | | | |



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90002 - EPA 3510C/1311

Blank (BD90002-BLK1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|----------------|-----------|----------|----------------|--|-------------|---------------|--|--|--|--|
| Endrin | ND | 0.0000400 | mg/L | | | | | | | | |
| gamma-BHC (Lindane) | ND | 0.0000400 | " | | | | | | | | |
| Heptachlor | ND | 0.0000400 | " | | | | | | | | |
| Heptachlor epoxide | ND | 0.0000400 | " | | | | | | | | |
| Methoxychlor | ND | 0.0000400 | " | | | | | | | | |
| Toxaphene | ND | 0.00100 | " | | | | | | | | |
| Chlordane, total | ND | 0.00200 | " | | | | | | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.00122</i> | | <i>"</i> | <i>0.00200</i> | | <i>61.0</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.00153</i> | | <i>"</i> | <i>0.00200</i> | | <i>76.7</i> | <i>30-150</i> | | | | |

LCS (BD90002-BS1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|----------------|-----------|----------|----------------|--|-------------|---------------|--|--|--|--|
| Endrin | 0.000564 | 0.0000400 | mg/L | 0.00100 | | 56.4 | 40-140 | | | | |
| gamma-BHC (Lindane) | 0.000818 | 0.0000400 | " | 0.00100 | | 81.8 | 40-140 | | | | |
| Heptachlor | 0.000633 | 0.0000400 | " | 0.00100 | | 63.3 | 40-140 | | | | |
| Heptachlor epoxide | 0.000676 | 0.0000400 | " | 0.00100 | | 67.6 | 40-140 | | | | |
| Methoxychlor | 0.000511 | 0.0000400 | " | 0.00100 | | 51.1 | 40-140 | | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.00126</i> | | <i>"</i> | <i>0.00200</i> | | <i>62.9</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.00135</i> | | <i>"</i> | <i>0.00200</i> | | <i>67.3</i> | <i>30-150</i> | | | | |

LCS Dup (BD90002-BSD1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | |
|--|----------------|-----------|----------|----------------|--|-------------|---------------|-------|----|--|--|
| Endrin | 0.000557 | 0.0000400 | mg/L | 0.00100 | | 55.7 | 40-140 | 1.26 | 20 | | |
| gamma-BHC (Lindane) | 0.000813 | 0.0000400 | " | 0.00100 | | 81.3 | 40-140 | 0.605 | 20 | | |
| Heptachlor | 0.000636 | 0.0000400 | " | 0.00100 | | 63.6 | 40-140 | 0.484 | 20 | | |
| Heptachlor epoxide | 0.000666 | 0.0000400 | " | 0.00100 | | 66.6 | 40-140 | 1.39 | 20 | | |
| Methoxychlor | 0.000449 | 0.0000400 | " | 0.00100 | | 44.9 | 40-140 | 13.0 | 20 | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.00115</i> | | <i>"</i> | <i>0.00200</i> | | <i>57.3</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.00135</i> | | <i>"</i> | <i>0.00200</i> | | <i>67.6</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 |
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|

Batch BD90002 - EPA 3510C/1311

| Duplicate (BD90002-DUP1) | | *Source sample: 19C1079-07 (Dup_3.26.19) | | | | Prepared & Analyzed: 04/01/2019 | | | | | |
|--|----------------|--|------|----------------|----|---------------------------------|---------------|--|--|--|-----|
| Endrin | ND | 0.0000400 | mg/L | | ND | | | | | | 200 |
| gamma-BHC (Lindane) | ND | 0.0000400 | " | | ND | | | | | | 200 |
| Heptachlor | ND | 0.0000400 | " | | ND | | | | | | 200 |
| Heptachlor epoxide | ND | 0.0000400 | " | | ND | | | | | | 200 |
| Methoxychlor | ND | 0.0000400 | " | | ND | | | | | | 200 |
| Toxaphene | ND | 0.00100 | " | | ND | | | | | | 200 |
| Chlordane, total | ND | 0.00200 | " | | ND | | | | | | 200 |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.00123</i> | | " | <i>0.00200</i> | | <i>61.6</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.00111</i> | | " | <i>0.00200</i> | | <i>55.5</i> | <i>30-150</i> | | | | |

| Leach Fluid Blank (BD90002-LBK1) | | Prepared & Analyzed: 04/01/2019 | | | | | | | | | |
|---|-----------------|---------------------------------|------|----------------|--|-------------|---------------|--|--|--|--|
| Endrin | ND | 0.0000400 | mg/L | | | | | | | | |
| gamma-BHC (Lindane) | ND | 0.0000400 | " | | | | | | | | |
| Heptachlor | ND | 0.0000400 | " | | | | | | | | |
| Heptachlor epoxide | ND | 0.0000400 | " | | | | | | | | |
| Methoxychlor | ND | 0.0000400 | " | | | | | | | | |
| Toxaphene | ND | 0.00100 | " | | | | | | | | |
| Chlordane, total | ND | 0.00200 | " | | | | | | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.00122</i> | | " | <i>0.00200</i> | | <i>60.9</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.000895</i> | | " | <i>0.00200</i> | | <i>44.8</i> | <i>30-150</i> | | | | |

Batch BD90041 - EPA SW846-3510C Low Level

| Blank (BD90041-BLK1) | | Prepared: 04/01/2019 Analyzed: 04/02/2019 | | | | | | | | | |
|--|--------------|---|------|--------------|--|-------------|---------------|--|--|--|--|
| 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> | <i>0.139</i> | | " | <i>0.200</i> | | <i>69.3</i> | <i>30-150</i> | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.136</i> | | " | <i>0.200</i> | | <i>67.8</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 |
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|
|---------|--------|-----------------|-------|-------------|----------------|------|-------------|------|-----|-----------|------|

Batch BD90041 - EPA SW846-3510C Low Level

LCS (BD90041-BS1)

Prepared: 04/01/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|--|
| 4,4'-DDD | 0.0803 | 0.00400 | ug/L | 0.100 | | 80.3 | 40-140 | | | | |
| 4,4'-DDE | 0.0691 | 0.00400 | " | 0.100 | | 69.1 | 40-140 | | | | |
| 4,4'-DDT | 0.0518 | 0.00400 | " | 0.100 | | 51.8 | 40-140 | | | | |
| Aldrin | 0.0771 | 0.00400 | " | 0.100 | | 77.1 | 40-140 | | | | |
| alpha-BHC | 0.0859 | 0.00400 | " | 0.100 | | 85.9 | 40-140 | | | | |
| alpha-Chlordane | 0.0693 | 0.00400 | " | 0.100 | | 69.3 | 40-140 | | | | |
| beta-BHC | 0.0779 | 0.00400 | " | 0.100 | | 77.9 | 40-140 | | | | |
| delta-BHC | 0.0846 | 0.00400 | " | 0.100 | | 84.6 | 40-140 | | | | |
| Dieldrin | 0.0730 | 0.00200 | " | 0.100 | | 73.0 | 40-140 | | | | |
| Endosulfan I | 0.0740 | 0.00400 | " | 0.100 | | 74.0 | 40-140 | | | | |
| Endosulfan II | 0.0774 | 0.00400 | " | 0.100 | | 77.4 | 40-140 | | | | |
| Endosulfan sulfate | 0.0823 | 0.00400 | " | 0.100 | | 82.3 | 40-140 | | | | |
| Endrin | 0.0617 | 0.00400 | " | 0.100 | | 61.7 | 40-140 | | | | |
| Endrin aldehyde | 0.0660 | 0.0100 | " | 0.100 | | 66.0 | 40-140 | | | | |
| Endrin ketone | 0.0754 | 0.0100 | " | 0.100 | | 75.4 | 40-140 | | | | |
| gamma-BHC (Lindane) | 0.0813 | 0.00400 | " | 0.100 | | 81.3 | 40-140 | | | | |
| gamma-Chlordane | 0.0719 | 0.0100 | " | 0.100 | | 71.9 | 40-140 | | | | |
| Heptachlor | 0.0645 | 0.00400 | " | 0.100 | | 64.5 | 40-140 | | | | |
| Heptachlor epoxide | 0.0709 | 0.00400 | " | 0.100 | | 70.9 | 40-140 | | | | |
| Methoxychlor | 0.0477 | 0.00400 | " | 0.100 | | 47.7 | 40-140 | | | | |
| Surrogate: Decachlorobiphenyl | 0.130 | | " | 0.200 | | 64.8 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene | 0.133 | | " | 0.200 | | 66.7 | 30-150 | | | | |

LCS Dup (BD90041-BS1)

Prepared: 04/01/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|------|----|--|--|
| 4,4'-DDD | 0.0939 | 0.00400 | ug/L | 0.100 | | 93.9 | 40-140 | 15.6 | 20 | | |
| 4,4'-DDE | 0.0774 | 0.00400 | " | 0.100 | | 77.4 | 40-140 | 11.2 | 20 | | |
| 4,4'-DDT | 0.0630 | 0.00400 | " | 0.100 | | 63.0 | 40-140 | 19.5 | 20 | | |
| Aldrin | 0.0831 | 0.00400 | " | 0.100 | | 83.1 | 40-140 | 7.53 | 20 | | |
| alpha-BHC | 0.0891 | 0.00400 | " | 0.100 | | 89.1 | 40-140 | 3.67 | 20 | | |
| alpha-Chlordane | 0.0774 | 0.00400 | " | 0.100 | | 77.4 | 40-140 | 11.1 | 20 | | |
| beta-BHC | 0.0835 | 0.00400 | " | 0.100 | | 83.5 | 40-140 | 6.98 | 20 | | |
| delta-BHC | 0.0926 | 0.00400 | " | 0.100 | | 92.6 | 40-140 | 8.99 | 20 | | |
| Dieldrin | 0.0823 | 0.00200 | " | 0.100 | | 82.3 | 40-140 | 12.0 | 20 | | |
| Endosulfan I | 0.0858 | 0.00400 | " | 0.100 | | 85.8 | 40-140 | 14.8 | 20 | | |
| Endosulfan II | 0.0876 | 0.00400 | " | 0.100 | | 87.6 | 40-140 | 12.4 | 20 | | |
| Endosulfan sulfate | 0.0942 | 0.00400 | " | 0.100 | | 94.2 | 40-140 | 13.5 | 20 | | |
| Endrin | 0.0715 | 0.00400 | " | 0.100 | | 71.5 | 40-140 | 14.8 | 20 | | |
| Endrin aldehyde | 0.0752 | 0.0100 | " | 0.100 | | 75.2 | 40-140 | 13.1 | 20 | | |
| Endrin ketone | 0.0849 | 0.0100 | " | 0.100 | | 84.9 | 40-140 | 11.9 | 20 | | |
| gamma-BHC (Lindane) | 0.0854 | 0.00400 | " | 0.100 | | 85.4 | 40-140 | 4.94 | 20 | | |
| gamma-Chlordane | 0.0801 | 0.0100 | " | 0.100 | | 80.1 | 40-140 | 10.8 | 20 | | |
| Heptachlor | 0.0700 | 0.00400 | " | 0.100 | | 70.0 | 40-140 | 8.06 | 20 | | |
| Heptachlor epoxide | 0.0776 | 0.00400 | " | 0.100 | | 77.6 | 40-140 | 9.00 | 20 | | |
| Methoxychlor | 0.0570 | 0.00400 | " | 0.100 | | 57.0 | 40-140 | 17.8 | 20 | | |
| Surrogate: Decachlorobiphenyl | 0.150 | | " | 0.200 | | 75.1 | 30-150 | | | | |
| Surrogate: Tetrachloro-m-xylene | 0.138 | | " | 0.200 | | 68.8 | 30-150 | | | | |



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD90097 - EPA 3550C

Blank (BD90097-BLK1)

Prepared: 04/02/2019 Analyzed: 04/03/2019

| | | | | | | | | | | | |
|---------------------|----|----------|-----------|--|--|--|--|--|--|--|--|
| 4,4'-DDD | ND | 0.000329 | mg/kg wet | | | | | | | | |
| 4,4'-DDE | ND | 0.000329 | " | | | | | | | | |
| 4,4'-DDT | ND | 0.000329 | " | | | | | | | | |
| Aldrin | ND | 0.000329 | " | | | | | | | | |
| alpha-BHC | ND | 0.000329 | " | | | | | | | | |
| alpha-Chlordane | ND | 0.000329 | " | | | | | | | | |
| beta-BHC | ND | 0.000329 | " | | | | | | | | |
| Chlordane, total | ND | 0.00658 | " | | | | | | | | |
| delta-BHC | ND | 0.000329 | " | | | | | | | | |
| Dieldrin | ND | 0.000329 | " | | | | | | | | |
| Endosulfan I | ND | 0.000329 | " | | | | | | | | |
| Endosulfan II | ND | 0.000329 | " | | | | | | | | |
| Endosulfan sulfate | ND | 0.000329 | " | | | | | | | | |
| Endrin | ND | 0.000329 | " | | | | | | | | |
| Endrin aldehyde | ND | 0.000329 | " | | | | | | | | |
| Endrin ketone | ND | 0.000329 | " | | | | | | | | |
| gamma-BHC (Lindane) | ND | 0.000329 | " | | | | | | | | |
| gamma-Chlordane | ND | 0.000329 | " | | | | | | | | |
| Heptachlor | ND | 0.000329 | " | | | | | | | | |
| Heptachlor epoxide | ND | 0.000329 | " | | | | | | | | |
| Methoxychlor | ND | 0.00164 | " | | | | | | | | |
| Toxaphene | ND | 0.0166 | " | | | | | | | | |

Surrogate: Decachlorobiphenyl

0.0391

"

0.0664

58.9

30-150

Surrogate: Tetrachloro-m-xylene

0.0502

"

0.0664

75.6

30-150

LCS (BD90097-BS1)

Prepared: 04/02/2019 Analyzed: 04/03/2019

| | | | | | | | | | | | |
|---------------------|--------|----------|-----------|--------|--|------|--------|--|--|--|--|
| 4,4'-DDD | 0.0234 | 0.000329 | mg/kg wet | 0.0332 | | 70.4 | 40-140 | | | | |
| 4,4'-DDE | 0.0215 | 0.000329 | " | 0.0332 | | 64.9 | 40-140 | | | | |
| 4,4'-DDT | 0.0135 | 0.000329 | " | 0.0332 | | 40.7 | 40-140 | | | | |
| Aldrin | 0.0266 | 0.000329 | " | 0.0332 | | 80.1 | 40-140 | | | | |
| alpha-BHC | 0.0307 | 0.000329 | " | 0.0332 | | 92.5 | 40-140 | | | | |
| alpha-Chlordane | 0.0221 | 0.000329 | " | 0.0332 | | 66.4 | 40-140 | | | | |
| beta-BHC | 0.0272 | 0.000329 | " | 0.0332 | | 81.8 | 40-140 | | | | |
| delta-BHC | 0.0293 | 0.000329 | " | 0.0332 | | 88.3 | 40-140 | | | | |
| Dieldrin | 0.0229 | 0.000329 | " | 0.0332 | | 69.1 | 40-140 | | | | |
| Endosulfan I | 0.0237 | 0.000329 | " | 0.0332 | | 71.4 | 40-140 | | | | |
| Endosulfan II | 0.0230 | 0.000329 | " | 0.0332 | | 69.2 | 40-140 | | | | |
| Endosulfan sulfate | 0.0229 | 0.000329 | " | 0.0332 | | 68.9 | 40-140 | | | | |
| Endrin | 0.0186 | 0.000329 | " | 0.0332 | | 55.9 | 40-140 | | | | |
| Endrin aldehyde | 0.0188 | 0.000329 | " | 0.0332 | | 56.6 | 40-140 | | | | |
| Endrin ketone | 0.0213 | 0.000329 | " | 0.0332 | | 64.0 | 40-140 | | | | |
| gamma-BHC (Lindane) | 0.0288 | 0.000329 | " | 0.0332 | | 86.8 | 40-140 | | | | |
| gamma-Chlordane | 0.0231 | 0.000329 | " | 0.0332 | | 69.5 | 40-140 | | | | |
| Heptachlor | 0.0223 | 0.000329 | " | 0.0332 | | 67.0 | 40-140 | | | | |
| Heptachlor epoxide | 0.0236 | 0.000329 | " | 0.0332 | | 71.0 | 40-140 | | | | |
| Methoxychlor | 0.0157 | 0.00164 | " | 0.0332 | | 47.1 | 40-140 | | | | |

Surrogate: Decachlorobiphenyl

0.0317

"

0.0664

47.7

30-150

Surrogate: Tetrachloro-m-xylene

0.0483

"

0.0664

72.6

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 | RPD | Limit | Flag |
|---------|--------|-----------|-------|-------|---------|------|------|--------|------|-------|-----|-------|------|
| | | Limit | | | Result | | | | | Limit | | | |

Batch Y9D0219 - BC91139

Performance Mix (Y9D0219-PEM1)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | | | |
|-----------------|-------|--|-------|------|--|------|--|-------|--|--|--|--|--|
| 4,4'-DDD | 0.00 | | ng/mL | 0.00 | | | | 0-200 | | | | | |
| 4,4'-DDE | 0.154 | | " | 0.00 | | | | 0-200 | | | | | |
| 4,4'-DDT | 125 | | " | 200 | | 62.3 | | 0-200 | | | | | |
| Endrin | 69.7 | | " | 100 | | 69.7 | | 0-200 | | | | | |
| Endrin aldehyde | 0.170 | | " | 0.00 | | | | 0-200 | | | | | |
| Endrin ketone | 2.25 | | " | 0.00 | | | | 0-200 | | | | | |

Performance Mix (Y9D0219-PEM2)

Prepared & Analyzed: 04/01/2019

| | | | | | | | | | | | | | |
|-----------------|-------|--|-------|------|--|------|--|-------|--|--|--|--|--|
| 4,4'-DDD | 0.00 | | ng/mL | 0.00 | | | | 0-200 | | | | | |
| 4,4'-DDE | 0.239 | | " | 0.00 | | | | 0-200 | | | | | |
| 4,4'-DDT | 106 | | " | 200 | | 52.8 | | 0-200 | | | | | |
| Endrin | 69.0 | | " | 100 | | 69.0 | | 0-200 | | | | | |
| Endrin aldehyde | 1.08 | | " | 0.00 | | | | 0-200 | | | | | |
| Endrin ketone | 9.20 | | " | 0.00 | | | | 0-200 | | | | | |

Batch Y9D0414 - BC91139

Performance Mix (Y9D0414-PEM1)

Prepared & Analyzed: 04/03/2019

| | | | | | | | | | | | | | |
|-----------------|-------|--|-------|------|--|------|--|-------|--|--|--|--|--|
| 4,4'-DDD | 0.00 | | ng/mL | 0.00 | | | | 0-200 | | | | | |
| 4,4'-DDE | 0.108 | | " | 0.00 | | | | 0-200 | | | | | |
| 4,4'-DDT | 153 | | " | 200 | | 76.6 | | 0-200 | | | | | |
| Endrin | 85.3 | | " | 100 | | 85.3 | | 0-200 | | | | | |
| Endrin aldehyde | 0.260 | | " | 0.00 | | | | 0-200 | | | | | |
| Endrin ketone | 4.97 | | " | 0.00 | | | | 0-200 | | | | | |

Batch Y9D0505 - BC91139

Performance Mix (Y9D0505-PEM1)

Prepared & Analyzed: 04/04/2019

| | | | | | | | | | | | | | |
|-----------------|-------|--|-------|------|--|------|--|-------|--|--|--|--|--|
| 4,4'-DDD | 0.00 | | ng/mL | 0.00 | | | | 0-200 | | | | | |
| 4,4'-DDE | 0.193 | | " | 0.00 | | | | 0-200 | | | | | |
| 4,4'-DDT | 136 | | " | 200 | | 68.2 | | 0-200 | | | | | |
| Endrin | 80.2 | | " | 100 | | 80.2 | | 0-200 | | | | | |
| Endrin aldehyde | 0.528 | | " | 0.00 | | | | 0-200 | | | | | |
| Endrin ketone | 3.08 | | " | 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 Y9D0505 - BC91139

Performance Mix (Y9D0505-PEM2)

Prepared & Analyzed: 04/04/2019

| | | | | | | | | | | | |
|-----------------|-------|--|-------|------|--|------|--|--|--|-------|--|
| 4,4'-DDD | 0.00 | | ng/mL | 0.00 | | | | | | 0-200 | |
| 4,4'-DDE | 0.407 | | " | 0.00 | | | | | | 0-200 | |
| 4,4'-DDT | 72.1 | | " | 200 | | 36.1 | | | | 0-200 | |
| Endrin | 58.4 | | " | 100 | | 58.4 | | | | 0-200 | |
| Endrin aldehyde | 0.803 | | " | 0.00 | | | | | | 0-200 | |
| Endrin ketone | 8.97 | | " | 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 | |
|---------|--------|-----------|-------|-------|---------|------|------|--------|------|-----|-------|
| | | Limit | | | | | | | | RPD | Limit |

Batch BD90041 - EPA SW846-3510C Low Level

Blank (BD90041-BLK2)

Prepared: 04/01/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|--|-------|--------|------|-------|--|-----|--|--------|--|--|--|
| 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> | 0.219 | | " | 0.200 | | 110 | | 30-120 | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | 0.260 | | " | 0.200 | | 130 | | 30-120 | | | |

LCS (BD90041-BS2)

Prepared: 04/01/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|--|-------|--------|------|-------|--|-----|--|--------|--|--|--|
| Aroclor 1016 | 1.01 | 0.0500 | ug/L | 1.00 | | 101 | | 40-120 | | | |
| Aroclor 1260 | 1.19 | 0.0500 | " | 1.00 | | 119 | | 40-120 | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | 0.206 | | " | 0.200 | | 103 | | 30-120 | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | 0.266 | | " | 0.200 | | 133 | | 30-120 | | | |

LCS Dup (BD90041-BSD2)

Prepared: 04/01/2019 Analyzed: 04/02/2019

| | | | | | | | | | | | |
|--|-------|--------|------|-------|--|-----|--|--------|------|----|--|
| Aroclor 1016 | 1.07 | 0.0500 | ug/L | 1.00 | | 107 | | 40-120 | 5.62 | 30 | |
| Aroclor 1260 | 1.14 | 0.0500 | " | 1.00 | | 114 | | 40-120 | 4.91 | 30 | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | 0.204 | | " | 0.200 | | 102 | | 30-120 | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | 0.249 | | " | 0.200 | | 124 | | 30-120 | | | |

Batch BD90097 - EPA 3550C

Blank (BD90097-BLK2)

Prepared & Analyzed: 04/02/2019

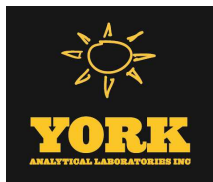
| | | | | | | | | | | | |
|--|--------|--------|-----------|--------|--|-----|--|--------|--|--|--|
| Aroclor 1016 | ND | 0.0166 | mg/kg wet | | | | | | | | |
| Aroclor 1221 | ND | 0.0166 | " | | | | | | | | |
| Aroclor 1232 | ND | 0.0166 | " | | | | | | | | |
| Aroclor 1242 | ND | 0.0166 | " | | | | | | | | |
| Aroclor 1248 | ND | 0.0166 | " | | | | | | | | |
| Aroclor 1254 | ND | 0.0166 | " | | | | | | | | |
| Aroclor 1260 | ND | 0.0166 | " | | | | | | | | |
| Total PCBs | ND | 0.0166 | " | | | | | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | 0.0708 | | " | 0.0664 | | 106 | | 30-140 | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | 0.0744 | | " | 0.0664 | | 112 | | 30-140 | | | |



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte | Result | Reporting | Units | Spike | Source* | %REC | Limits | Flag | RPD | Limit | Flag |
|--|---------------|-----------|-----------|---------------|---------|------------|---------------|------|-----|---------------------------------|------|
| | | Limit | | Level | Result | %REC | | | RPD | | |
| Batch BD90097 - EPA 3550C | | | | | | | | | | | |
| LCS (BD90097-BS2) | | | | | | | | | | Prepared & Analyzed: 04/02/2019 | |
| Aroclor 1016 | 0.345 | 0.0166 | mg/kg wet | 0.332 | | 104 | 40-130 | | | | |
| Aroclor 1260 | 0.343 | 0.0166 | " | 0.332 | | 103 | 40-130 | | | | |
| <i>Surrogate: Tetrachloro-m-xylene</i> | <i>0.0681</i> | | " | <i>0.0664</i> | | <i>102</i> | <i>30-140</i> | | | | |
| <i>Surrogate: Decachlorobiphenyl</i> | <i>0.0738</i> | | " | <i>0.0664</i> | | <i>111</i> | <i>30-140</i> | | | | |



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---|--------|-----------------|-----------|-------------|----------------|------|-------------|------|------|-----------|------|
| Batch BD90094 - EPA 3550B/8151A | | | | | | | | | | | |
| Blank (BD90094-BLK1) | | | | | | | | | | | |
| Prepared: 04/02/2019 Analyzed: 04/03/2019 | | | | | | | | | | | |
| 2,4,5-T | ND | 0.0199 | mg/kg wet | | | | | | | | |
| 2,4,5-TP (Silvex) | ND | 0.0199 | " | | | | | | | | |
| 2,4-D | ND | 0.0199 | " | | | | | | | | |
| Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 0.638 | | " | 0.498 | | 128 | 30-150 | | | | |
| LCS (BD90094-BS1) | | | | | | | | | | | |
| Prepared: 04/02/2019 Analyzed: 04/03/2019 | | | | | | | | | | | |
| 2,4,5-T | 0.111 | 0.0199 | mg/kg wet | 0.159 | | 69.4 | 40-140 | | | | |
| 2,4,5-TP (Silvex) | 0.122 | 0.0199 | " | 0.159 | | 76.2 | 40-140 | | | | |
| 2,4-D | 0.103 | 0.0199 | " | 0.159 | | 64.4 | 40-140 | | | | |
| Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 0.597 | | " | 0.498 | | 120 | 30-150 | | | | |
| Batch BD90095 - EPA 3535A/1311 | | | | | | | | | | | |
| Blank (BD90095-BLK1) | | | | | | | | | | | |
| Prepared: 04/02/2019 Analyzed: 04/03/2019 | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | ND | 0.00500 | mg/L | | | | | | | | |
| 2,4-D | ND | 0.00500 | " | | | | | | | | |
| Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 0.150 | | " | 0.125 | | 120 | 30-150 | | | | |
| LCS (BD90095-BS1) | | | | | | | | | | | |
| Prepared: 04/02/2019 Analyzed: 04/03/2019 | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 0.0292 | 0.00500 | mg/L | 0.0400 | | 73.1 | 40-140 | | | | |
| 2,4-D | 0.0248 | 0.00500 | " | 0.0400 | | 61.9 | 40-140 | | | | |
| Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 0.149 | | " | 0.125 | | 119 | 30-150 | | | | |
| LCS Dup (BD90095-BSD1) | | | | | | | | | | | |
| Prepared: 04/02/2019 Analyzed: 04/03/2019 | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 0.0312 | 0.00500 | mg/L | 0.0400 | | 78.1 | 40-140 | | 6.61 | 30 | |
| 2,4-D | 0.0232 | 0.00500 | " | 0.0400 | | 58.1 | 40-140 | | 6.25 | 30 | |
| Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) | 0.147 | | " | 0.125 | | 118 | 30-150 | | | | |



Chlorinated Herbicides by GC/ECD - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BD90095 - EPA 3535A/1311

| Duplicate (BD90095-DUP1) | | *Source sample: 19C1079-07 (Dup_3.26.19) | | | | | Prepared: 04/02/2019 Analyzed: 04/03/2019 | | | | | |
|--|--------------|--|----------|--------------|----|------------|---|--|--|--|-----|--|
| 2,4,5-TP (Silvex) | ND | 0.00500 | mg/L | | ND | | | | | | 200 | |
| 2,4-D | ND | 0.00500 | " | | ND | | | | | | 200 | |
| <i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i> | <i>0.154</i> | | <i>"</i> | <i>0.125</i> | | <i>123</i> | <i>30-150</i> | | | | | |

Batch BD90100 - EPA 3535A

| Blank (BD90100-BLK1) | | Prepared: 04/02/2019 Analyzed: 04/03/2019 | | | | | | | | | | |
|--|------------|---|----------|------------|--|------------|---------------|--|--|--|--|--|
| 2,4,5-T | ND | 5.00 | ug/L | | | | | | | | | |
| 2,4,5-TP (Silvex) | ND | 5.00 | " | | | | | | | | | |
| 2,4-D | ND | 5.00 | " | | | | | | | | | |
| <i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i> | <i>142</i> | | <i>"</i> | <i>125</i> | | <i>114</i> | <i>30-150</i> | | | | | |

| LCS (BD90100-BS1) | | Prepared: 04/02/2019 Analyzed: 04/03/2019 | | | | | | | | | | |
|--|------------|---|----------|------------|--|------------|---------------|--|--|--|--|--|
| 2,4,5-T | 28.2 | 5.00 | ug/L | 40.0 | | 70.6 | 40-140 | | | | | |
| 2,4,5-TP (Silvex) | 31.0 | 5.00 | " | 40.0 | | 77.5 | 40-140 | | | | | |
| 2,4-D | 26.2 | 5.00 | " | 40.0 | | 65.6 | 40-140 | | | | | |
| <i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i> | <i>158</i> | | <i>"</i> | <i>125</i> | | <i>126</i> | <i>30-150</i> | | | | | |

| LCS Dup (BD90100-BSD1) | | Prepared: 04/02/2019 Analyzed: 04/03/2019 | | | | | | | | | | |
|--|------------|---|----------|------------|--|------------|---------------|--|------|----|--|--|
| 2,4,5-T | 29.8 | 5.00 | ug/L | 40.0 | | 74.4 | 40-140 | | 5.17 | 30 | | |
| 2,4,5-TP (Silvex) | 30.5 | 5.00 | " | 40.0 | | 76.2 | 40-140 | | 1.63 | 30 | | |
| 2,4-D | 28.2 | 5.00 | " | 40.0 | | 70.6 | 40-140 | | 7.34 | 30 | | |
| <i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i> | <i>157</i> | | <i>"</i> | <i>125</i> | | <i>126</i> | <i>30-150</i> | | | | | |



Gas Chromatography/Flame Ionization Detector - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BD90040 - EPA SW846-3510C Low Level

| Blank (BD90040-BLK1) | | | | | | | | | | | Prepared: 04/01/2019 Analyzed: 04/02/2019 | |
|-------------------------------|------|-----|------|------|--|------|--------|--|------|----|---|--|
| Total EPH | 127 | 100 | ug/L | | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.8 | | " | 100 | | 73.8 | 40-140 | | | | | |
| Surrogate: o-Terphenyl | 74.6 | | " | 100 | | 74.6 | 40-140 | | | | | |
| LCS (BD90040-BS1) | | | | | | | | | | | Prepared: 04/01/2019 Analyzed: 04/02/2019 | |
| Total EPH | 3070 | 100 | ug/L | 3600 | | 85.2 | 40-140 | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.9 | | " | 100 | | 86.9 | 40-140 | | | | | |
| Surrogate: o-Terphenyl | 83.6 | | " | 100 | | 83.6 | 40-140 | | | | | |
| LCS Dup (BD90040-BSD1) | | | | | | | | | | | Prepared: 04/01/2019 Analyzed: 04/02/2019 | |
| Total EPH | 3000 | 100 | ug/L | 3600 | | 83.3 | 40-140 | | 2.25 | 30 | | |
| Surrogate: 1-Chlorooctadecane | 86.4 | | " | 100 | | 86.4 | 40-140 | | | | | |
| Surrogate: o-Terphenyl | 83.4 | | " | 100 | | 83.4 | 40-140 | | | | | |

Batch BD90054 - EPA 3545A

| Blank (BD90054-BLK1) | | | | | | | | | | | Prepared & Analyzed: 04/02/2019 | |
|-------------------------------|------|------|-----------|------|--|------|--------|--|------|----|---------------------------------|--|
| Total EPH | ND | 49.5 | mg/kg wet | | | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 7.27 | | " | 9.90 | | 73.5 | 40-140 | | | | | |
| Surrogate: o-Terphenyl | 7.44 | | " | 9.90 | | 75.1 | 40-140 | | | | | |
| LCS (BD90054-BS1) | | | | | | | | | | | Prepared & Analyzed: 04/02/2019 | |
| Total EPH | 255 | 49.5 | mg/kg wet | 356 | | 71.5 | 40-140 | | | | | |
| Surrogate: 1-Chlorooctadecane | 6.90 | | " | 9.90 | | 69.7 | 40-140 | | | | | |
| Surrogate: o-Terphenyl | 6.34 | | " | 9.90 | | 64.0 | 40-140 | | | | | |
| LCS Dup (BD90054-BSD1) | | | | | | | | | | | Prepared & Analyzed: 04/02/2019 | |
| Total EPH | 233 | 49.5 | mg/kg wet | 356 | | 65.3 | 40-140 | | 8.98 | 30 | | |
| Surrogate: 1-Chlorooctadecane | 6.16 | | " | 9.90 | | 62.3 | 40-140 | | | | | |
| Surrogate: o-Terphenyl | 5.85 | | " | 9.90 | | 59.1 | 40-140 | | | | | |



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

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

Batch BC91371 - EPA 3050B

Blank (BC91371-BLK1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|-----------|------|-------|-----------|--|--|--|--|--|--|--|--|
| Aluminum | ND | 5.00 | mg/kg wet | | | | | | | | |
| Antimony | ND | 2.50 | " | | | | | | | | |
| Arsenic | ND | 1.50 | " | | | | | | | | |
| Barium | ND | 2.50 | " | | | | | | | | |
| Beryllium | ND | 0.050 | " | | | | | | | | |
| Cadmium | ND | 0.300 | " | | | | | | | | |
| Calcium | ND | 5.00 | " | | | | | | | | |
| Chromium | ND | 0.500 | " | | | | | | | | |
| Cobalt | ND | 0.400 | " | | | | | | | | |
| Copper | ND | 2.00 | " | | | | | | | | |
| Iron | ND | 25.0 | " | | | | | | | | |
| Lead | ND | 0.500 | " | | | | | | | | |
| Magnesium | ND | 5.00 | " | | | | | | | | |
| Manganese | ND | 0.500 | " | | | | | | | | |
| Nickel | ND | 1.00 | " | | | | | | | | |
| Potassium | 14.1 | 5.00 | " | | | | | | | | |
| Selenium | ND | 2.50 | " | | | | | | | | |
| Silver | ND | 0.500 | " | | | | | | | | |
| Sodium | ND | 50.0 | " | | | | | | | | |
| Thallium | ND | 2.50 | " | | | | | | | | |
| Vanadium | ND | 1.00 | " | | | | | | | | |
| Zinc | ND | 2.50 | " | | | | | | | | |

Reference (BC91371-SRM1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|-----------|-------|-------|-----------|-------|--|------|------------|--|--|--|--|
| Aluminum | 7490 | 5.00 | mg/kg wet | 8360 | | 89.6 | 50.2-149.5 | | | | |
| Antimony | 94.1 | 2.50 | " | 89.6 | | 105 | 19.3-258.9 | | | | |
| Arsenic | 226 | 1.50 | " | 202 | | 112 | 69.8-130.2 | | | | |
| Barium | 303 | 2.50 | " | 270 | | 112 | 75.2-125.2 | | | | |
| Beryllium | 108 | 0.050 | " | 96.8 | | 112 | 75-125 | | | | |
| Cadmium | 149 | 0.300 | " | 141 | | 106 | 74.5-124.8 | | | | |
| Calcium | 5200 | 5.00 | " | 4700 | | 111 | 72.6-127.7 | | | | |
| Chromium | 179 | 0.500 | " | 167 | | 107 | 70.1-129.9 | | | | |
| Cobalt | 197 | 0.400 | " | 174 | | 113 | 74.7-124.7 | | | | |
| Copper | 127 | 2.00 | " | 108 | | 117 | 74.7-124.1 | | | | |
| Iron | 12500 | 25.0 | " | 14700 | | 85.2 | 36.4-163.9 | | | | |
| Lead | 82.0 | 0.500 | " | 73.8 | | 111 | 68.4-131.6 | | | | |
| Magnesium | 2290 | 5.00 | " | 2310 | | 99.3 | 61.9-138.1 | | | | |
| Manganese | 395 | 0.500 | " | 330 | | 120 | 75.2-124.8 | | | | |
| Nickel | 114 | 1.00 | " | 89.4 | | 128 | 69.9-129.8 | | | | |
| Potassium | 2030 | 5.00 | " | 2240 | | 90.6 | 60.7-139.7 | | | | |
| Selenium | 37.8 | 2.50 | " | 49.9 | | 75.7 | 58.1-141.7 | | | | |
| Silver | 76.8 | 0.500 | " | 71.1 | | 108 | 70.7-129.3 | | | | |
| Sodium | 233 | 50.0 | " | 195 | | 119 | 45.5-154.4 | | | | |
| Thallium | 62.0 | 2.50 | " | 58.5 | | 106 | 60.9-139.3 | | | | |
| Vanadium | 55.4 | 1.00 | " | 58.2 | | 95.2 | 57.4-142.6 | | | | |
| Zinc | 287 | 2.50 | " | 264 | | 109 | 70.1-130.3 | | | | |



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

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

Batch BC91373 - EPA 3015A

Blank (BC91373-BLK1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|-----------|----|---------|------|--|--|--|--|--|--|--|--|
| Aluminum | ND | 0.0556 | mg/L | | | | | | | | |
| Barium | ND | 0.0278 | " | | | | | | | | |
| Calcium | ND | 0.0556 | " | | | | | | | | |
| Chromium | ND | 0.00556 | " | | | | | | | | |
| Cobalt | ND | 0.00444 | " | | | | | | | | |
| Copper | ND | 0.0222 | " | | | | | | | | |
| Iron | ND | 0.278 | " | | | | | | | | |
| Lead | ND | 0.00556 | " | | | | | | | | |
| Magnesium | ND | 0.0556 | " | | | | | | | | |
| Manganese | ND | 0.00556 | " | | | | | | | | |
| Nickel | ND | 0.0111 | " | | | | | | | | |
| Potassium | ND | 0.0556 | " | | | | | | | | |
| Silver | ND | 0.00556 | " | | | | | | | | |
| Sodium | ND | 0.556 | " | | | | | | | | |
| Vanadium | ND | 0.0111 | " | | | | | | | | |
| Zinc | ND | 0.0278 | " | | | | | | | | |

LCS (BC91373-BS1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | |
|-----------|--------|---------|------|--------|--|------|--------|--|--|--|--|
| Aluminum | 2.15 | 0.0556 | mg/L | 2.22 | | 96.9 | 80-120 | | | | |
| Barium | 2.30 | 0.0278 | " | 2.22 | | 103 | 80-120 | | | | |
| Calcium | 1.16 | 0.0556 | " | 1.11 | | 104 | 80-120 | | | | |
| Chromium | 0.219 | 0.00556 | " | 0.222 | | 98.6 | 80-120 | | | | |
| Cobalt | 0.572 | 0.00444 | " | 0.556 | | 103 | 80-120 | | | | |
| Copper | 0.289 | 0.0222 | " | 0.278 | | 104 | 80-120 | | | | |
| Iron | 1.11 | 0.278 | " | 1.11 | | 99.8 | 80-120 | | | | |
| Lead | 0.578 | 0.00556 | " | 0.556 | | 104 | 80-120 | | | | |
| Magnesium | 1.12 | 0.0556 | " | 1.11 | | 101 | 80-120 | | | | |
| Manganese | 0.575 | 0.00556 | " | 0.556 | | 103 | 80-120 | | | | |
| Nickel | 0.572 | 0.0111 | " | 0.556 | | 103 | 80-120 | | | | |
| Potassium | 0.974 | 0.0556 | " | 1.11 | | 87.7 | 80-120 | | | | |
| Silver | 0.0484 | 0.00556 | " | 0.0556 | | 87.2 | 80-120 | | | | |
| Sodium | 1.08 | 0.556 | " | 1.11 | | 97.1 | 80-120 | | | | |
| Vanadium | 0.548 | 0.0111 | " | 0.556 | | 98.7 | 80-120 | | | | |
| Zinc | 0.561 | 0.0278 | " | 0.556 | | 101 | 80-120 | | | | |



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

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

Batch BC91373 - EPA 3015A

| Duplicate (BC91373-DUP1) | *Source sample: 19C1079-09 (FB_3.26.19) | | | | | Prepared & Analyzed: 03/27/2019 | | | | | | |
|---------------------------------|---|---------|------|--|-------|---------------------------------|--|--|------|--|----|----------|
| Aluminum | ND | 0.0556 | mg/L | | ND | | | | | | 20 | |
| Barium | ND | 0.0278 | " | | ND | | | | | | 20 | |
| Calcium | 0.0663 | 0.0556 | " | | 0.102 | | | | 42.1 | | 20 | Non-dir. |
| Chromium | ND | 0.00556 | " | | ND | | | | | | 20 | |
| Cobalt | ND | 0.00444 | " | | ND | | | | | | 20 | |
| Copper | ND | 0.0222 | " | | ND | | | | | | 20 | |
| Iron | ND | 0.278 | " | | ND | | | | | | 20 | |
| Lead | ND | 0.00556 | " | | ND | | | | | | 20 | |
| Magnesium | ND | 0.0556 | " | | ND | | | | | | 20 | |
| Manganese | ND | 0.00556 | " | | ND | | | | | | 20 | |
| Nickel | ND | 0.0111 | " | | ND | | | | | | 20 | |
| Potassium | ND | 0.0556 | " | | 0.123 | | | | | | 20 | |
| Silver | ND | 0.00556 | " | | ND | | | | | | 20 | |
| Sodium | ND | 0.556 | " | | ND | | | | | | 20 | |
| Vanadium | ND | 0.0111 | " | | ND | | | | | | 20 | |
| Zinc | ND | 0.0278 | " | | ND | | | | | | 20 | |

| Matrix Spike (BC91373-MS1) | *Source sample: 19C1079-09 (FB_3.26.19) | | | | | Prepared & Analyzed: 03/27/2019 | | | | | | |
|-----------------------------------|---|---------|------|--------|-------|---------------------------------|--------|--|--|--|--|--|
| Aluminum | 2.14 | 0.0556 | mg/L | 2.22 | ND | 96.5 | 75-125 | | | | | |
| Barium | 2.40 | 0.0278 | " | 2.22 | ND | 108 | 75-125 | | | | | |
| Calcium | 1.23 | 0.0556 | " | 1.11 | 0.102 | 101 | 75-125 | | | | | |
| Chromium | 0.237 | 0.00556 | " | 0.222 | ND | 106 | 75-125 | | | | | |
| Cobalt | 0.606 | 0.00444 | " | 0.556 | ND | 109 | 75-125 | | | | | |
| Copper | 0.297 | 0.0222 | " | 0.278 | ND | 107 | 75-125 | | | | | |
| Iron | 1.14 | 0.278 | " | 1.11 | ND | 103 | 75-125 | | | | | |
| Lead | 0.603 | 0.00556 | " | 0.556 | ND | 109 | 75-125 | | | | | |
| Magnesium | 1.15 | 0.0556 | " | 1.11 | ND | 104 | 75-125 | | | | | |
| Manganese | 0.599 | 0.00556 | " | 0.556 | ND | 108 | 75-125 | | | | | |
| Nickel | 0.587 | 0.0111 | " | 0.556 | ND | 106 | 75-125 | | | | | |
| Potassium | 1.09 | 0.0556 | " | 1.11 | 0.123 | 86.7 | 75-125 | | | | | |
| Silver | 0.0511 | 0.00556 | " | 0.0556 | ND | 92.0 | 75-125 | | | | | |
| Sodium | 1.18 | 0.556 | " | 1.11 | ND | 107 | 75-125 | | | | | |
| Vanadium | 0.568 | 0.0111 | " | 0.556 | ND | 102 | 75-125 | | | | | |
| Zinc | 0.596 | 0.0278 | " | 0.556 | ND | 107 | 75-125 | | | | | |



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

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

Batch BC91576 - EPA 3015A/1311

Blank (BC91576-BLK1)

Prepared: 03/29/2019 Analyzed: 04/01/2019

| | | | | | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|--|
| Arsenic | ND | 0.017 | mg/L | | | | | | | | |
| Barium | ND | 0.028 | " | | | | | | | | |
| Cadmium | ND | 0.003 | " | | | | | | | | |
| Chromium | ND | 0.006 | " | | | | | | | | |
| Lead | ND | 0.006 | " | | | | | | | | |
| Selenium | ND | 0.028 | " | | | | | | | | |
| Silver | ND | 0.006 | " | | | | | | | | |

LCS (BC91576-BS1)

Prepared: 03/29/2019 Analyzed: 04/01/2019

| | | | | | | | | | | | |
|----------|-------|-------|------|--------|--|------|--------|--|--|--|--|
| Arsenic | 2.09 | 0.017 | mg/L | 2.22 | | 94.0 | 80-120 | | | | |
| Barium | 2.26 | 0.028 | " | 2.22 | | 102 | 80-120 | | | | |
| Cadmium | 0.054 | 0.003 | " | 0.0556 | | 97.9 | 80-120 | | | | |
| Chromium | 0.217 | 0.006 | " | 0.222 | | 97.8 | 80-120 | | | | |
| Lead | 0.551 | 0.006 | " | 0.556 | | 99.1 | 80-120 | | | | |
| Selenium | 1.85 | 0.028 | " | 2.22 | | 83.4 | 80-120 | | | | |
| Silver | 0.055 | 0.006 | " | 0.0556 | | 98.4 | 80-120 | | | | |

Leach Fluid Blank (BC91576-LBK1)

Prepared: 03/29/2019 Analyzed: 04/01/2019

| | | | | | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|--|
| Arsenic | ND | 0.375 | mg/L | | | | | | | | |
| Barium | ND | 0.625 | " | | | | | | | | |
| Cadmium | ND | 0.075 | " | | | | | | | | |
| Chromium | ND | 0.125 | " | | | | | | | | |
| Lead | ND | 0.125 | " | | | | | | | | |
| Selenium | ND | 0.625 | " | | | | | | | | |
| Silver | ND | 0.125 | " | | | | | | | | |



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 | | | | | Limit | | | |

Batch BC91374 - EPA 3015A

Blank (BC91374-BLK1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | | | |
|-----------|----|----------|------|--|--|--|--|--|--|--|--|--|--|
| Antimony | ND | 0.00111 | mg/L | | | | | | | | | | |
| Arsenic | ND | 0.00111 | " | | | | | | | | | | |
| Beryllium | ND | 0.000333 | " | | | | | | | | | | |
| Cadmium | ND | 0.000556 | " | | | | | | | | | | |
| Selenium | ND | 0.00111 | " | | | | | | | | | | |
| Thallium | ND | 0.00111 | " | | | | | | | | | | |

LCS (BC91374-BS1)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|----------|--|--|--|--|--|
| Antimony | 36.9 | | ug/L | 50.0 | | 73.9 | 80-120 | Low Bias | | | | | |
| Arsenic | 46.7 | | " | 50.0 | | 93.4 | 80-120 | | | | | | |
| Beryllium | 48.2 | | " | 50.0 | | 96.5 | 80-120 | | | | | | |
| Cadmium | 49.5 | | " | 50.0 | | 99.0 | 80-120 | | | | | | |
| Selenium | 45.9 | | " | 50.0 | | 91.8 | 80-120 | | | | | | |
| Thallium | 47.1 | | " | 50.0 | | 94.3 | 80-120 | | | | | | |

Duplicate (BC91374-DUP1)

*Source sample: 19C1079-09 (FB_3.26.19)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | | | |
|-----------|---------|----------|------|--|---------|--|--|--|--|------|--|--|-------------|
| Antimony | ND | 0.00111 | mg/L | | ND | | | | | | | | 20 |
| Arsenic | ND | 0.00111 | " | | ND | | | | | | | | 20 |
| Beryllium | ND | 0.000333 | " | | ND | | | | | | | | 20 |
| Cadmium | ND | 0.000556 | " | | ND | | | | | | | | 20 |
| Selenium | 0.00112 | 0.00111 | " | | 0.00138 | | | | | 20.7 | | | 20 Non-dir. |
| Thallium | ND | 0.00111 | " | | ND | | | | | | | | 20 |

Matrix Spike (BC91374-MS1)

*Source sample: 19C1079-09 (FB_3.26.19)

Prepared & Analyzed: 03/27/2019

| | | | | | | | | | | | | | |
|-----------|------|--|------|------|-------|------|--------|----------|--|--|--|--|--|
| Antimony | 36.5 | | ug/L | 50.0 | 0.060 | 72.8 | 75-125 | Low Bias | | | | | |
| Arsenic | 46.2 | | " | 50.0 | 0.008 | 92.4 | 75-125 | | | | | | |
| Beryllium | 49.9 | | " | 50.0 | 0.001 | 99.9 | 75-125 | | | | | | |
| Cadmium | 48.1 | | " | 50.0 | 0.006 | 96.3 | 75-125 | | | | | | |
| Selenium | 47.7 | | " | 50.0 | 1.24 | 92.9 | 75-125 | | | | | | |
| Thallium | 51.8 | | " | 50.0 | 0.051 | 104 | 75-125 | | | | | | |



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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---|-------------|-----------------|-----------|-------------|----------------|------|-------------|------|-----|---------------------------------|------|
| Batch BC91444 - EPA 7473 water | | | | | | | | | | | |
| Blank (BC91444-BLK1) | | | | | | | | | | Prepared & Analyzed: 03/28/2019 | |
| Mercury | ND | 0.00020 | mg/L | | | | | | | | |
| Reference (BC91444-SRM1) | | | | | | | | | | Prepared & Analyzed: 03/28/2019 | |
| Mercury | 0.00925 | | mg/L | 0.0100 | | 92.5 | 70-130 | | | | |
| Batch BD90016 - EPA 7473 water | | | | | | | | | | | |
| Blank (BD90016-BLK1) | | | | | | | | | | Prepared & Analyzed: 04/01/2019 | |
| Mercury | ND | 0.00020000 | mg/L | | | | | | | | |
| Leach Fluid Blank (BD90016-LBK1) | | | | | | | | | | Prepared & Analyzed: 04/01/2019 | |
| Mercury | 0.000060200 | 0.00020000 | mg/L | | | | | | | | |
| Reference (BD90016-SRM1) | | | | | | | | | | Prepared & Analyzed: 04/01/2019 | |
| Mercury | 0.0095026 | | mg/L | 0.0100 | | 95.0 | 70-130 | | | | |
| Batch BD90090 - EPA 7473 soil | | | | | | | | | | | |
| Blank (BD90090-BLK1) | | | | | | | | | | Prepared & Analyzed: 04/02/2019 | |
| Mercury | ND | 0.0300 | mg/kg wet | | | | | | | | |
| Reference (BD90090-SRM1) | | | | | | | | | | Prepared & Analyzed: 04/02/2019 | |
| Mercury | 3.2247 | | mg/kg | 3.71 | | 86.9 | 65-135 | | | | |



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 BC91362 - EPA SW846-3060 | | | | | | | | | | | |
| Blank (BC91362-BLK1) | | | | | | | | | | | Prepared & Analyzed: 03/27/2019 |
| Chromium, Hexavalent | ND | 0.500 | mg/kg wet | | | | | | | | |
| Reference (BC91362-SRM1) | | | | | | | | | | | Prepared & Analyzed: 03/27/2019 |
| Chromium, Hexavalent | 87.9 | | mg/L | 71.8 | | 122 | 18.8-206.1 | | | | |
| Batch BC91366 - Analysis Preparation | | | | | | | | | | | |
| Blank (BC91366-BLK1) | | | | | | | | | | | Prepared & Analyzed: 03/27/2019 |
| Chromium, Hexavalent | ND | 0.0100 | mg/L | | | | | | | | |
| LCS (BC91366-BS1) | | | | | | | | | | | Prepared & Analyzed: 03/27/2019 |
| Chromium, Hexavalent | 0.492 | 0.0100 | mg/L | 0.500 | | 98.4 | 80-120 | | | | |
| Duplicate (BC91366-DUP1) | | | | | | | | | | | *Source sample: 19C1079-09 (FB_3.26.19) Prepared & Analyzed: 03/27/2019 |
| Chromium, Hexavalent | ND | 0.0100 | mg/L | | ND | | | | | | 20 |
| Matrix Spike (BC91366-MS1) | | | | | | | | | | | *Source sample: 19C1079-09 (FB_3.26.19) Prepared & Analyzed: 03/27/2019 |
| Chromium, Hexavalent | 0.506 | 0.0100 | mg/L | 0.500 | ND | 101 | 75-125 | | | | |
| Batch BC91498 - EPA SW 846-1311 TCLP ZHE for VOA | | | | | | | | | | | |
| Blank (BC91498-BLK1) | | | | | | | | | | | Prepared: 03/28/2019 Analyzed: 03/29/2019 |
| TCLP Extraction | Completed | 1.00 | N/A | | | | | | | | |
| Batch BC91499 - EPA SW 846-1311 TCLP extr. for SVOA/PEST/HERBS | | | | | | | | | | | |
| Blank (BC91499-BLK1) | | | | | | | | | | | Prepared: 03/28/2019 Analyzed: 03/29/2019 |
| TCLP Extraction | Completed | 1.00 | N/A | | | | | | | | |



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 BC91500 - EPA SW 846-1311 TCLP ext. for metals | | | | | | | | | | | |
| Blank (BC91500-BLK1) Prepared: 03/28/2019 Analyzed: 03/29/2019 | | | | | | | | | | | |
| TCLP Extraction | Completed | 1.00 | N/A | | | | | | | | |
| Batch BC91504 - Analysis Preparation Soil | | | | | | | | | | | |
| Blank (BC91504-BLK1) Prepared & Analyzed: 03/29/2019 | | | | | | | | | | | |
| Cyanide, total | ND | 0.500 | mg/kg wet | | | | | | | | |
| Reference (BC91504-SRM1) Prepared & Analyzed: 03/29/2019 | | | | | | | | | | | |
| Cyanide, total | 41.8 | | ug/mL | 41.4 | | 101 | 34.3-167 | | | | |
| Batch BD90021 - Analysis Preparation | | | | | | | | | | | |
| Duplicate (BD90021-DUP1) Prepared & Analyzed: 04/01/2019 | | | | | | | | | | | |
| *Source sample: 19C1079-01 (WC-5A (0-6)) | | | | | | | | | | | |
| pH | 8.44 | 0.500 | pH units | | 8.53 | | | | 1.06 | 10 | |
| Temperature | 21.0 | 1.00 | °C | | 20.8 | | | | 0.957 | 200 | |
| Batch BD90060 - EPA SW 846-1311 TCLP ZHE for VOA | | | | | | | | | | | |
| Blank (BD90060-BLK1) Prepared: 04/01/2019 Analyzed: 04/02/2019 | | | | | | | | | | | |
| TCLP Extraction | Completed | 1.00 | N/A | | | | | | | | |
| Batch BD90075 - Analysis Preparation | | | | | | | | | | | |
| Blank (BD90075-BLK1) Prepared & Analyzed: 04/02/2019 | | | | | | | | | | | |
| Cyanide, total | ND | 10.0 | ug/L | | | | | | | | |



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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source* Result | %REC | %REC Limits | Flag | RPD | RPD Limit | Flag |
|---|--------|--------------------|-------|----------------|-------------------|------|----------------|------|-----|---------------------------------|------|
| Batch BD90075 - Analysis Preparation | | | | | | | | | | | |
| LCS (BD90075-BS1) | | | | | | | | | | Prepared & Analyzed: 04/02/2019 | |
| Cyanide, total | 190 | 10.0 | ug/L | 200 | | 94.8 | 76.2-107 | | | | |



Volatile Analysis Sample Containers

| Lab ID | Client Sample ID | Volatile Sample Container |
|------------|------------------|---|
| 19C1079-01 | WC-5A (0-6) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1079-01 | WC-5A (0-6) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1079-02 | WC-5B (6-12) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1079-02 | WC-5B (6-12) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1079-03 | WC-6A (0-6) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1079-03 | WC-6A (0-6) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1079-04 | WC-6B (6-12) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1079-04 | WC-6B (6-12) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1079-05 | WC-7A (0-6) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1079-05 | WC-7A (0-6) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1079-06 | WC-7B (6-12) | 40mL 01_Clear Vial Cool to 4° C |
| 19C1079-06 | WC-7B (6-12) | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1079-07 | Dup_3.26.19 | 40mL 01_Clear Vial Cool to 4° C |
| 19C1079-07 | Dup_3.26.19 | 40mL Vial with Stir Bar-Cool 4° C |
| 19C1079-08 | Trip Blank | 40mL Clear Vial (pre-pres.) HCl; Cool to 4° C |
| 19C1079-09 | FB_3.26.19 | 40mL Clear Vial (pre-pres.) HCl; Cool to 4° C |
| 19C1079-10 | Trip Blank | 40mL Clear Vial (pre-pres.) HCl; Cool to 4° C |

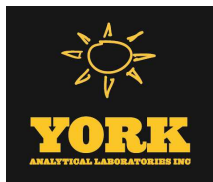


Sample and Data Qualifiers Relating to This Work Order

| | |
|----------|---|
| M-CRL | The RL check for this element recovered outside of control limits. |
| A-01a | Acid extractable compounds reporting from the re-extraction analysis due to low acid surrogate recovery in the original analysis. |
| B | Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. |
| 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). |
| EXT-COMP | Completed |
| EXT-Temp | Extraction temperature slightly exceeded acceptance range. |
| GC-DRO | Does not display a fuel pattern. Contains several discreet peaks. |
| HT-01R | This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time. |
| IGN-01 | Non-Ignit. |
| 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. |
| A-01 | Acid extractable compounds reporting from re-extraction analysis due to low recovery of acid surrogates in the original extraction. |
| M-BS | The recovery for this element in the batch blank spike recovered slightly outside of control limits |
| S-HI | Surrogate recovery is above acceptance limits. No target compound is detected in sample. |
| M-DUPS | The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity |
| M-ICV2 | The recovery for this element in the ICV was outside the 90-110% recovery criteria. |
| M-MBLk | Analyte was detected in the batch method blank above the Reporting Limit. |
| M-SPKM | The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference. |
| M-SRD1 | The serial dilution for this element was outside control limits. |
| QL-02 | This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature. |
| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| QR-04 | The RPD exceeded control limits for the LCS/LCSD QC. |
| S-03 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis. |
| S-GC | Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is 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. |

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

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.
19C1079

Page 1 of 1

| YOUR INFORMATION | | Report To: | | Invoice To: | | YOUR Project Number | | Turn-Around Time | |
|--|------------------|---|------------------|---|------------------|--|-----------------|---|--------------------|
| Company: Langan Engineering | Company: SAME | Company: SAME | Company: SAME | Company: SAME | Company: SAME | 100755101 | RUSH - Next Day | RUSH - Two Day | RUSH - Three Day |
| Address: 300 Kimball Drive Parisippany, NJ 07054 | Address: SAME | Address: SAME | Address: SAME | Address: SAME | Address: SAME | 280 West 155th Street | RUSH - Four Day | RUSH - Five Day | Standard (5-7 Day) |
| Phone: 973.560.4901 | Phone: SAME | Phone: SAME | Phone: SAME | Phone: SAME | Phone: SAME | | | | |
| Contact: M. Oleske | Contact: SAME | Contact: SAME | Contact: SAME | Contact: SAME | Contact: SAME | | | | |
| E-mail: m.oleske@langan.com | E-mail: SAME | E-mail: SAME | E-mail: SAME | E-mail: SAME | E-mail: SAME | | | | |
| <p>YOUR PO#:</p> <p>YOUR Project Name: 280 West 155th Street</p> | | | | | | | | | |
| <p>Matrix Codes:</p> <p>S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other</p> | | <p>Matrix Codes:</p> <p>S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other</p> | | <p>Report / EDD Type (circle selections)</p> <p>Summary Report <input type="checkbox"/> Standard Excel EDD <input type="checkbox"/> QA Report <input type="checkbox"/> EQUIS (Standard) <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NYSDEC EQUIS <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> NJDEP Reduced Deliverables <input type="checkbox"/> NJDEP SRP HazSite <input type="checkbox"/> Other: NJDKQP <input type="checkbox"/></p> | | <p>YORK Reg. Comp.</p> <p>Compared to the following Regulation(s): (please fill in) UWS, Part 375 NJDEP, USEPA HAZ</p> | | <p>Container Description</p> <p>2 VOAs</p> | |
| <p>Sample Identification</p> <p>INC-5A (0-6) WC-5B (6-12) WC-6A (0-6) WC-6B (6-12) WC-7A (0-6) WC-7B (6-12) DUP-3.26.19 Trip Blank</p> | | <p>Sample Matrix</p> <p>S Ag</p> | | <p>Samples From</p> <p>New York <input checked="" type="checkbox"/> New Jersey <input type="checkbox"/> Connecticut <input type="checkbox"/> Pennsylvania <input type="checkbox"/> Other <input type="checkbox"/></p> | | <p>Analysis Requested</p> <p>VOCS, SVOCs, Pest, Herb, PCBs, TAL metals + Hex CC Cyanide, EPA* Full TCLP, PCBRA HAZ Waste Char</p> | | <p>Analysis Requested</p> <p>VOCS</p> | |
| <p>Sample Date/Time</p> <p>3.26.19 8:50 8:55 10:10 10:15 1:30 1:35</p> | | <p>Date/Time Sampled</p> <p>3.26.19 8:50 8:55 10:10 10:15 1:30 1:35</p> | | <p>Preservation: (check all that apply)</p> <p>HCl <input checked="" type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other: <input type="checkbox"/></p> | | <p>Special Instruction</p> <p>Field Filtered Lab to Filter</p> | | | |
| <p>Comments:</p> <p>*EPA spiked for fractionation</p> | | <p>Samples Relinquished by / Company</p> <p>3.26.19 13:00 P. Oleske York</p> | | <p>Samples Relinquished by / Company</p> <p>3.26.19 14:30 P. Oleske York</p> | | <p>Samples Relinquished by / Company</p> <p>3.26.19 19:30 P. Oleske York</p> | | <p>Temp. Received at Lab</p> <p>2.6</p> | |



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Field Chain-of-Custody Record

YORK Project No.
19C1079

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 Engineering | Company: | SAME | Company: | SAME | 1007105101 | | RUSH - Next Day | |
| Address: | 300 Kimball Drive Parsippany NJ 07054 | Address: | SAME | Address: | SAME | 280 West 155th St | | RUSH - Two Day | |
| Phone: | 973.560.4000 | Phone: | | Phone: | | | | RUSH - Three Day | |
| Contact: | M. Oleske | Contact: | | Contact: | | | | RUSH - Four Day | |
| E-mail: | moleks@langan.com | E-mail: | | E-mail: | | | | Standard (5-7 Day) | X |
| <p>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.</p> | | | | | | | | | |
| <p>Hannah Griesbach Samples Collected by: (print your name above and sign below) <i>Hannah Griesbach</i></p> | | <p>Matrix Codes S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other</p> | | <p>Samples From New York New Jersey Connecticut Pennsylvania Other</p> | | <p>Report / EDD Type (circle selections) Summary Report QA Report NY ASP A Package NY ASP B Package</p> | | <p>YORK Reg. Comp. Compared to the following Regulation(s): (please fill in) 1103, Part 375 NYSDEC USEPA HAZ</p> | |
| <p>Sample Identification FB-3.26.19</p> | | <p>Sample Matrix W</p> | | <p>Date/Time Sampled 3.26.19 1230</p> | | <p>Analysis Requested VOCs, SVOCs, Pest Herb PCBs, PAH metals + Hex Cr, Cyanide, EPH*, Full TCLP, PCBA HAZ Waste Char</p> | | <p>Container Description 6 1/2 Lamber 3 PLASTICS 3 VOAS</p> | |
| <p>Trip Blank*</p> | | <p>Ag</p> | | <p>—</p> | | <p>VOCs</p> | | <p>2 VOAS</p> | |
| <p>Comments: * EPH spiked for fractionation, 1 trip blank set in cooler</p> | | | | | | | | | |
| <p>Samples Relinquished by / Company <i>Hannah Griesbach</i></p> | | <p>Samples Received by / Company 3.26.19 1305</p> | | <p>Date/Time 3-26-19 1305</p> | | <p>Preservation: (check all that apply) HCl <input checked="" type="checkbox"/> MeOH <input type="checkbox"/> HNO3 <input checked="" type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input checked="" type="checkbox"/> ZnAc <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other: <input type="checkbox"/></p> | | <p>Special Instruction Field Filtered Lab to Filter <input type="checkbox"/></p> | |
| <p>Samples Relinquished by / Company <i>Hannah Griesbach</i></p> | | <p>Samples Received by / Company 3/26/19 14:30</p> | | <p>Date/Time 3-26-19 14:30</p> | | <p>Samples Relinquished by / Company <i>Hannah Griesbach</i></p> | | <p>Date/Time 3-26-19</p> | |
| <p>Samples Relinquished by / Company <i>Hannah Griesbach</i></p> | | <p>Samples Received by / Company 3/26/19 19:30</p> | | <p>Date/Time 3/26/19 19:30</p> | | <p>Samples Relinquished by / Company <i>Hannah Griesbach</i></p> | | <p>Date/Time 3/26/19 1930</p> | |
| | | | | | | | | <p>Temp. Received at Lab 2.6 Degrees C</p> | |