PHASE II SUPPLEMENTAL ENVIRONMENTAL SITE INVESTIGATION REPORT

For

Kingsbridge Armory
29 West Kingsbridge Road
Bronx, New York
CEQR #13DME013X

Prepared For:

Kingsbridge National Ice Center
c/o Correll Law Group
250 Park Avenue, L.7
New York, New York 10177

Prepared By:

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

Joel B. Landes, P.E.
Vice President

June 7, 2013
Langan Project No. 170246501

LANGAN

TABLE OF CONTENTS

1.0 INTRODUCTION **1**
2.0 PROJECT BACKGROUND **1**
2.1 Site Description **1**
2.2 Proposed Site Redevelopment **2**
2.3 Previous Investigations **2**
2.5 Geology **8**
2.6 Hydrogeology **8**
3.0 FIELD INVESTIGATION **9**
3.1 Geophysical Survey **9**
3.2 Soil Sampling Procedures **9**
3.3 Groundwater Sampling Procedures **10**
3.4 Soil Vapor Sampling Procedures **11**
4.0 OBSERVATIONS AND RESULTS **12**
4.1 Geophysical Survey **12**
4.2 Subsurface Observations **12**
4.3 Analytical Results **13**
4.3.1 Soil Sample Results 13
4.3.2 Groundwater Results 15
4.3.3 Soil Vapor Results 16
5.0 CONCLUSIONS **18**
6.0 LIMITATIONS **18**

TABLES

Table 1: Summary of Detected VOCs, SVOCs, Metals, Pesticides, and PCBs in Soil Samples
Table 2: Summary of Detected VOCs, SVOCs, Metals, Pesticides, and PCBs in Groundwater Samples
Table 3: Summary of Detected VOCs in Soil Vapor and Ambient Air Samples

FIGURES

Figure 1: Site Location Map
Figure 2: Soil Boring, Monitoring Well, and Soil Vapor Probe Location Plan
Figure 3: Soil Sample Locations and Results Map
Figure 4: Groundwater Sample Locations and Results Map
Figure 5: Soil Vapor Sample Locations and Results Map

APPENDICES

Appendix A: Soil Boring Logs
Appendix B: Well Construction Logs
Appendix C: Groundwater Sampling Logs
Appendix D: Soil Vapor and Air Sampling Logs
Appendix E: Analytical Laboratory Results and Chain of Custody Documentation (CD)

1.0 INTRODUCTION

This Phase II Supplemental Environmental Site Investigation (SESI) was conducted for the Kingsbridge Armory property at 29 Kingsbridge Road (Tax Block 3247, Lot 2) in the Bronx, New York (The "Site"). The Site is being considered for redevelopment as the Kingsbridge National Ice Center (KNIC), a multiple use ice skating and recreational facility. The KNIC project is undergoing review by the City of New York in accordance with Uniform Land Use Review Procedure (ULURP). Accordingly, all investigative and remediation activities are subject to review and approval by the New York City Department of Environmental Protection (NYCDEP).

Langan and TRC Environmental Corporation conducted extensive soil and groundwater investigations at the Site between 2007 and 2009 during an earlier joint redevelopment effort. As such, the sub-surface environmental conditions underneath the armory building and exterior areas are well documented. As approximately four years have passed since the most recent environmental investigation and the current redevelopment plan incorporates a new design and Site use, this SESI was conducted to augment the existing data and address potential new areas of soil disturbance during redevelopment.

This Phase II SESI Report presents the environmental data and findings from the Site Investigation that was conducted between May 14 and 24, 2013.

2.0 PROJECT BACKGROUND

2.1 Site Description

The project site is at the center of a city block bordered by West 195th Street to the north, West Kingsbridge Road to the south, Jerome Avenue to the east, and Reservoir Avenue to the west (Figure 1). Most of the Site is occupied by the landmark Kingsbridge Armory building (Armory), which was constructed on an approximately 200,000-square-foot (sq-ft) footprint between 1912 and 1917, over the abandoned east basin of the Jerome Park Reservoir. An asphalt-paved parking area is located along the western perimeter of the Site along Reservoir Avenue, and landscaped areas border the southern perimeter of the structure along West Kingsbridge Road. Two National Guard annex buildings and a parking area border the Site to the north along West 195th Street.

The main drill hall at the center of the Armory measures approximately 300 by 600 feet (ft) and is spanned freely by an arched roof framing that rises 110 ft above the drill hall floor. Beneath the drill floor, two cellar levels formerly housed offices, a garage, a gymnasium, rifle and pistol ranges, and rooms for other military functions. The drill hall is flanked to the south by a two-

story head house with a single cellar floor and four towers that contain offices and residential quarters. The eastern portion of the sub-cellar area underlies the Jerome Avenue sidewalk. The sub-cellar of the Armory building is accessible by a ramp that extends from West 195th Street. The Site is currently owned and operated by the City of New York.

The Armory has remained unused since the 2009 environmental investigation, with the exception that an interior parking area is used for the staging of City graffiti removal vehicles. Occasional events are also held inside the central drill hall. No significant changes of use since the previous environmental investigations are apparent on adjacent and nearby properties.

2.2 Proposed Site Redevelopment

KNIC proposes to convert the interior of the Armory into a national ice rink facility with two levels of parking provided in the cellar and sub-cellar. Multiple ice rinks will be constructed within the shell of the central drill hall, including a main, ground-level rink with surrounding bleachers. Additional ice rinks will be constructed on the ground level and a mezzanine level on either side of the main rink. Vehicle access ramps to the cellar parking garages and loading docks will span between the building and West 195th Street to the north and Reservoir Avenue to the west. The sub-cellar parking area will be constructed at the elevation of the current floor slab. Mass excavation of soil and removal of groundwater are therefore not anticipated during the redevelopment project. Soil excavation underneath the western parking area and northern moat area adjoining West 195th Street may be required to accommodate the construction of footings for the access ramps. Additionally, soil may be excavated to install new caisson support structures for the building.

2.3 Previous Investigations

The following environmental reports were generated on behalf of Related Retail and the New York City Economic Development Corporation during the initial Kingsbridge Armory redevelopment effort:

Phase I Environmental Site Assessment (ESA), Kingsbridge Armory, dated September 2006; prepared by Metcalf & Eddy

This Phase I ESA was conducted on behalf of the New York City Economic Development Corporation (EDC) and identified the following environmental concerns:

- Industrial and commercial use of properties in the surrounding area may have impacted groundwater at the Site.
- Potential contamination from on-site fill materials may have impacted groundwater at the Site.

- One 275-gallon fuel oil aboveground storage tank (AST) was identified on the northeast portion of the drill room floor, and two 275-gallon fuel oil ASTs were identified on the southwest portion of the sub-cellar.
- A petroleum odor was noted in a room (B-20) on the western portion of the cellar; however, a source for the odor was not identified.
- Multiple containers of petroleum products were observed in the motor pool workshops of the cellar area, and ten 55-gallon steel drums were noted in the vehicle storage area in the sub-cellar. The drums were partially deteriorated and were generally free of liquids.
- Oil staining and a saw cut in the concrete floor near the center of the sub-cellar vehicle storage area indicated a possible former underground storage tank (UST).
- Three earthen-floored rifle and pistol ranges were observed in the sub-cellar, and were suspected to contain elevated concentrations of lead from spent munitions.
- Three New York State Department of Environmental Conservation (NYSDEC) spills are associated with the Site:
    - Spill Number 8802461 was reported in 1988 when a Fuel Oil No. 2 UST failed a tightness test. The regulatory database stated that the last of seven USTs were scheduled to be removed from the Site in August 2004, and the spill was closed on August 10, 2004.
    - Spill Number 9211568 was reported in 1993 when soil contamination from piping was detected during removal of a tank. The spill was closed on March 25, 2005.
    - Spill Number 9308016 was reported in 1993 when a diesel tank failure was reported during removal of the tank. According to the database entry, 100 yards of soil was stockpiled on the Site, and the spill remained open as of September 2006. Langan's research of NYSDEC's Spill Incidents Database website revealed that the spill was closed on June 3, 2008.
- Potentially hazardous materials, such as PCBs, asbestos, lead-based paint, lubricating oils, mold, and refrigerants, were associated with the cellar boiler unit and air conditioning units and construction materials throughout the structure.
- One 2,000-gallon fuel oil UST was reported to be in service at the adjacent property to the north along West 195th Street. Four USTs were reported to have been closed at the adjacent property in 1993, 1995, and 1999.

The Phase I ESA report recommended that additional sampling for asbestos, lead-based paint and PCB-containing materials be conducted at the property. The report also recommended the removal and proper disposal of the three ASTs, 55-gallon drums, petroleum products, earth floors of the rifle and pistol ranges, and deteriorating boiler and air conditioning equipment.

Phase II Environmental Site Assessment Report, Kingsbridge Armory, dated September 19, 2007; prepared by TRC Environmental Corporation

This Phase II ESA was conducted to investigate recognized environmental conditions identified in the Phase I ESA report. The report confirmed the presence of the three ASTs and stated that the AST on the drill hall floor still contained diesel fuel for an emergency generator that was no longer operable. Several empty 55-gallon drums with no evidence of potential release were observed in the vehicle storage area and suspect lead-based paint, PCB-containing light ballasts, asbestos-containing materials, and areas of mold growth were noted in the Armory. This report did not identify the saw cut area in the sub-cellar discussed in the September 2006 Phase I ESA.

The report summarized a geophysical survey conducted in August 2000. The survey identified:

(1) an abandoned fill port and vent pipe and a 12 by 15-ft area of removed pavement that are likely associated with a former UST along the western exterior of the Armory building;

(2) a 30 by 30-ft electromagnetic anomaly indicating a potential UST along the Armory's western exterior south of the aforementioned former UST; and

(3) two vent pipes and two areas of patched asphalt possibly associated with two USTs on the northwest portion of the site adjacent to the maintenance building (not included in the subject area for Langan's ESI).

TRC coordinated a follow-up geophysical survey during the Phase II ESA. The follow-up survey found no evidence of buried metal near the 12-ft by 15-ft saw-cut area, but noted a near-by fill pipe labeled with the word "Gasoline". The report noted that a guard booth had been constructed at the potential former UST location. The survey noted no indications of potential USTs at the 30 by 30-ft anomaly and suggested that the reinforced concrete area may be associated with the former reservoir pump house that was located west of the Armory building.

TRC's subsurface investigation included excavation of three test pits, advancement of 13 soil borings, and installation of four groundwater monitoring wells along the western portion of the property near the potential USTs. In addition, 18 soil samples were collected from the upper 1.5-ft depth interval in the pistol and rifle ranges. TRC reported the following:

Test Pits near Maintenance Building

- Although this area is not part of the project Site, the environmental issues identified may impact project Site conditions. Test pit excavations confirmed two abandoned USTs west of the maintenance building. The tanks appeared to have been cut open and filled with sand and gravel. Organic vapors indicative of petroleum impacts were not reported in the sand and gravel and rain water that had accumulated within the former USTs. The report noted that the tanks were likely the 3,000-gallon diesel and 2,000-gallon gasoline USTs that were closed in September 1993, discussed in the Phase I ESA.

Soil Samples West of the Armory Building

- Slightly elevated organic vapor concentrations were detected in two borings on the northwest portion of the property west of the maintenance building near the former USTs.
- Semi-volatile organic compounds (SVOCs) and metals (beryllium, chromium, copper, iron, nickel, and zinc) were detected at concentrations above NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 recommended soil cleanup objectives (RSCOs) in multiple soil samples collected from the western portion of the Site. Based on the absence of coincident field indications of contamination at these locations, TRC concluded that the SVOC detections are likely associated with urban fill conditions at the Site.
- Volatile organic compounds (VOCs), PCBs, and pesticides were not detected in soil samples at concentrations that exceeded TAGM RSCOs.

Groundwater Samples West of the Armory Building

- One VOC, hexachlorobutadiene, was detected at a concentration above the NYSDEC Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards in a groundwater sample collected from the well located adjacent to the former gasoline UST near the western exterior of the Armory. TRC noted that hexachlorobutadiene does not occur naturally in the environment, and is formed during the processing of other chlorinated compounds.
- Several metals (iron, magnesium, manganese, and sodium) were detected at concentrations that exceeded TOGS Class GA standards in each groundwater sample. TRC concluded that the metals are naturally occurring; therefore, the detections were likely attributable to background soil and bedrock conditions in the area.

- SVOCs were not detected in the groundwater samples, and field indications of petroleum impacts in groundwater were not observed during the investigation.

Soil Samples in the Shooting Ranges

- Twelve of the 18 soil samples collected from 15 locations contained lead concentrations that exceeded the TAGM typical urban background upper range of 500 mg/kg. In general, samples collected from nearer the soil berm or metal backstop in the rifle ranges exhibited higher lead concentrations.
- Eight of the 11 soil samples submitted for Toxicity Characteristic Leaching Procedure (TCLP) analysis for lead contained concentrations that exceeded the Resource Conservation and Recovery Act (RCRA) hazardous waste criterion.

The report stated that the former potential UST area west of the Armory at the present guard booth location may be the former location of a 225-gallon gasoline UST that was reported to be closed and removed from the Site in 1995, based on information provided in the Phase I ESA. Because existing information is insufficient to document the location of the gasoline UST and other USTs associated with historic spills at the Site, TRC recommended that NYSDEC and other regulatory records be researched for additional information regarding the tanks. TRC did not recommend additional soil or groundwater sampling near the former UST locations west of the Armory, unless requested by NYSDEC to close out open spills associated with the USTs; however, NYSDEC's Spill Incidents Database revealed that the only open spill discussed in the Phase I ESA was closed in June 3, 2008. Other open spills have not documented at the Site. TRC also recommended that the lead-impacted soil and deteriorated wooden timber wall in the pistol and rifle ranges be removed and disposed in accordance with appropriate hazardous waste management and disposal regulations.

***Draft Phase II ESI of Kingsbridge Armory,* November 6, 2008, prepared by Langan.**

The objective of this Phase II ESI investigation was to assess environmental remediation costs associated with proposed site development, including lead contamination in the former pistol and rifle ranges, historical fill material below the sub-cellar and western parking area, and former USTs in the western parking area and off-site maintenance area northwest of the Armory. The investigation consisted of the following:

- Geophysical survey in the western exterior parking area;
- 17 direct-push soil borings from which 23 soil samples were collected in the western parking area, sub-cellar, and pistol and rifle ranges.
- 10 test pits from which 10 soil samples were collected in the sub-cellar; and
- 3 monitoring wells from which 3 groundwater samples were collected in the sub-cellar.

Figure 2 shows the locations of the borings, monitoring wells, and test pits. The findings of the investigation revealed the following:

- The geophysical survey did not identify obvious indications of USTs. Signal interference precluded verification of the potential UST associated with the gasoline fill port discussed in TRC's report.
- Soil underlying the Site consists of historic fill comprised of sand with traces of silt, gravel, brick, and ash. The fill generally extends to depths of 4 ft to 7 ft below the cellar floor slab and about 19 ft below ground surface (bgs) in the western parking area. Weathered rock was encountered at 12 ft to 15 ft below the sub-cellar floor slab. Groundwater was encountered in the monitoring wells at depths of 4 ft to 6 ft below the sub-cellar floor slab.
- Elevated organic vapor concentrations, stained soil, and petroleum odors were observed in two test pits and one boring (MW-3) in the northwest portion of the sub-cellar. The impacted soil was observed at depths of between 2 ft and 12 ft below the floor slab.
- A petroleum odor and an elevated organic vapor reading were detected in soil collected from the 25 ft to 30 ft depth interval in one boring in the western parking area (LG-14).
- In general, soil samples exhibited concentrations of SVOCs and metals typical of historic urban fill and did not indicate a spill at the Site.
- Six of the 17 soil samples collected from the pistol and rifle ranges exhibited Toxicity Characteristic Leaching Procedure (TCLP) lead concentrations indicative of hazardous waste.
- Five VOCs and one SVOC (naphthalene) were detected at concentrations that exceeded the TOGS AWQS in the groundwater sample collected from well MW-3 in the northwest portion of the sub-cellar. Naphthalene was also detected at a concentration exceeding the TOGS AWQS in a groundwater sample collected from the western parking area (LB-16).

The report concluded that groundwater under the northwestern portion of the sub-cellar had been impacted with petroleum. Additional off-site groundwater sampling was recommended to determine whether the two historical USTs on the northern adjoining property were the source of the impacts.

***Supplemental Groundwater Investigation Report*, June 17, 2009, prepared by Langan**

Groundwater sampling was conducted on the National Guard property to evaluate the source of groundwater impacts in the northwestern portion of the sub-cellar in the Armory building. Langan installed a monitoring well (MW-4) south of a former UST and collected groundwater samples from existing monitoring wells (TRC-MW-3 on the National Guard property and MW-3

in the northwest portion of the Armory building). The field observations and analytical results of the investigation did not indicate the presence of an off-site spill associated with the decommissioned USTs on the National Guard property. Concentrations of VOCs and SVOCs in groundwater collected from the northwestern portion of the Armory building appeared to have attenuated to levels below regulatory standards. The locations of the off-site monitoring wells are shown in Figure 2.

2.5 Geology

Based on Langan's 2008 Geotechnical Investigation, the Site is underlain by historic fill material to depths of 7 to 25 ft below the top of pavement, which corresponds to el 125 to 105. Fill extended to a depth of 50 ft below sidewalk grade in a boring LB-1, which is located along the northern exterior of the Armory. The fill consists of brown, coarse- to fine-grained sand with silt, gravel, brick, and rock. Silty sand underlies the fill material at a thickness that varies from 3 to 37 ft. Decomposed rock, which is 2 to 17 ft thick, is located 9 ft to 50 ft below sidewalk grade. Bedrock consisting of grey mica gneiss was encountered at 9 ft to 58 below sidewalk grade ft (el 116 to el 73). According to the Bedrock and Engineering Geologic Maps of Bronx County and Parts of New York and Queens Counties, New York, by Charles A. Baskerville (1992), bedrock at the Site belongs to the Fordham Gneiss geologic unit. Rocks of the Fordham Gneiss are Proterozoic in age, and are typically harder than neighboring units due to the interlocking texture attributable to formation under high-grade (i.e., granulite) metamorphic conditions.

2.6 Hydrogeology

Based on groundwater level readings collected during the geotechnical investigation, Phase II ESI, and Phase II SESI, groundwater elevations generally range from about el 115 on the eastern portion of the Site to el 109 on the western portion of the Site. The depth to groundwater in observation wells that were installed on paved exterior areas at sidewalk grade ranged from 11.6 ft in LB-1 along the northern exterior of the building to 30.4 ft in LB-16 in the parking area near Reservoir Avenue. The depth to groundwater in the interior monitoring wells (MW-1 through MW-9) installed inside the sub-cellar ranged from 3.0 ft in MW-3 on the northwestern portion of the sub-cellar to 10.4 ft in MW-8 on the southwestern portion of the sub-cellar.

Groundwater elevation data indicates that groundwater at the Site flows towards the southwest, which generally conforms to the south-southwest sloping topographic gradient shown on the USGS Central Park, N.Y. Topographic Quadrangle Map, dated 1966 and revised in 1979. Groundwater flow in the fill may be influenced locally by underground structures (e.g., pipes, foundations, and buried structures). Groundwater in this area of New York City is not used as a potable (drinking) water source. The potable water supply is provided by the City of

New York and is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

3.0 FIELD INVESTIGATION

Langan implemented the Phase II SESI activities between May 20 and 24, 2013. The scope of work was designed to:

- Investigate areas of potential soil disturbance during proposed development construction;
- Investigate potential impacts attributable to the adjoining National Guard property;
- Collect information and analytical data to facilitate selection of a remedial approach; and,
- Evaluate the need for remedial actions associated with the proposed future use of the Site.

The scope of work for the investigation consisted of:

- A geophysical survey to identify any subsurface anomalies, storage tanks, and utilities;
- Installation of 5 subsurface soil vapor points and collection of 5 soil gas samples and one ambient air (background) sample;
- Collection of 18 soil samples from 9 environmental borings to assess soil conditions and potential health and safety issues regarding soil disturbance during the proposed site renovation; and
- Installation and sampling of 5 temporary groundwater monitoring wells and sampling of 2 existing permanent monitoring wells in order to assess site groundwater conditions;

3.1 Geophysical Survey

On May 14, 2013, NOVA Geophysical & Environmental, Inc. (NOVA) of Douglaston, New York completed geophysical surveys under the supervision of a Langan field engineer. The surveys used ground penetrating radar (GPR), electromagnetic (EM) detectors, and comprehensive subsurface utility (CSUL) locators to locate and identify current and former utility lines, anomalies, underground storage tanks (USTs), subsurface structures, and to clear and mark proposed boring locations at the project Site. Borings were relocated as necessary to avoid subsurface utilities and anomalies.

3.2 Soil Sampling Procedures

On May 20 and 21, 2013, environmental samples were collected from nine borings (MW-5 through MW-10 and LG-19 through LG-21) to assess soil conditions with respect to current and

historic Site usages. The borings were completed by Laurel Environmental Associates, Ltd. (Laurel) of Huntington Station, New York, using Geoprobe 6610DT and 7822DT track-mounted drill rigs. Environmental borings were advanced to depths of 8 to 35 feet bgs. A Langan engineer was on Site during all drilling activities. Soil boring locations are shown on Figure 2.

Soil samples were collected continuously throughout each environmental boring to termination depths with a 2-inch diameter Macro-Core® sampler. Soil samples retrieved from each boring were visually classified for soil type, grain size, and texture. Each soil sample was also inspected for visual and olfactory evidence of contamination and screened for total organic vapors using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. Soil boring logs are provided in Appendix A.

Two soil samples were collected for laboratory analysis from each boring: one sample from the upper two-foot depth interval and one sample from the depth interval exhibiting the greatest degree of contamination based on field observations. In the event that no contamination was observed, the second sample was collected from the depth interval immediately above the groundwater interface. Soil samples were collected in laboratory-supplied containers and shipped under chain-of-custody protocol to York Analytical, Inc. (York), a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory in Stamford, Connecticut. Soil samples were analyzed for NYSDEC Part 375 list VOCs with MTBE per EPA Method 8260B (utilizing En Core® collection method), SVOCs per EPA Method 8270C, PCBs per EPA Method 8082, and target analyte list (TAL) metals per EPA Method 6020/7000 Series. The shallow soil samples were also analyzed for pesticides via EPA Method 8081.

3.3 Groundwater Sampling Procedures

In order to assess groundwater conditions at the Site, five borings were completed as temporary groundwater monitoring wells (MW-6 through MW-10). A sixth temporary groundwater monitoring well (MW-5) was planned but could not be installed due to refusal at bedrock encountered above the groundwater table. The wells were installed at depths ranging from approximately 15 to 35 feet bgs (el 106.2 to 104.4). Monitoring wells were constructed with 1-inch inner diameter (ID), threaded flush-joint, polyvinyl chloride (PVC) casings and screens, with 10 feet of 0.02 in slotted screen. Clean sand was used to backfill the area around the screen to approximately 2 feet above the screen. Well Construction Logs are provided in Appendix B.

Following installation, the monitoring wells were developed using a peristaltic pump such that a minimum of three well volumes were purged and the discharge was visibly free of silt or fine sand.

After development, the monitoring wells were purged and sampled using low-flow purging techniques to minimize drawdown. In addition to sampling the five temporary groundwater wells, existing groundwater monitoring wells MW-3 (installed in 2008) and TRC-MW-3 (installed in 2007) were sampled. Sampling for existing monitoring well MW-4 (installed in 2009) was proposed; however, the well was not sampled due to lack of access. Prior to sampling, the monitoring wells were purged using a peristaltic pump and dedicated, disposable polyethylene tubing. During purging, the turbidity, pH, temperature, conductivity, Redox potential, and dissolved oxygen of the groundwater were monitored using a Horiba U-52 Water Quality meter with a flow-through cell. The groundwater was purged until the water quality parameters were stable and the turbidity was below 50 Nephelometric Turbidity Units (NTU). The monitored parameters were recorded on the Well Development and Sampling Logs provided in Appendix C.

After purging the wells, a groundwater sample was collected from each well in laboratory-supplied containers with appropriate preservatives and shipped under chain-of-custody protocol to York. Groundwater samples were analyzed for NYSDEC Part 375 list VOCs with MTBE per EPA Method 8260B, SVOCs per EPA Method 8270C, PCBs per EPA Method 8082, and TAL metals per EPA Method 6020/7000 Series. All groundwater samples except for MW-8 were also analyzed for pesticides via EPA Method 8081.

3.4 Soil Vapor Sampling Procedures

In order to assess soil vapor conditions and evaluate the potential for vapor intrusion at the Site, five soil vapor points (SV-1 though SV-5) were installed (see Figure 2). The soil vapor points were installed by Laurel under the full time supervision of a Langan field engineer. The sampling was conducted in accordance with the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

Five indoor sub-slab soil vapor points were installed at a depth of approximately 1 ft bgs. At each sub-slab location, dedicated polyethylene tubing was inserted into each boring. The annulus around the probe/tubing was backfilled with a sand filter and sealed with hydrated bentonite. Soil vapor logs are included as Appendix D.

As a quality assurance/quality control (QA/QC) measure, an inert tracer gas (helium) was introduced into an above-grade sampling chamber to ensure that the soil vapor sampling points

were properly sealed above the target sampling depth thereby preventing sub-surface infiltration of ambient air. The sample chamber was sealed above the sample point with hydrated bentonite. Each soil vapor point was purged using a PID at a rate of 0.5 liters per minutes (L/min) to evacuate a minimum of three tubing volumes prior to sample collection. Soil vapor samples were then collected into laboratory-supplied, batch-certified 6-Liter Summa® canisters that were calibrated for a sampling rate of two hours per sample. The canisters were properly labeled and transported via courier to York following standard chain-of-custody protocols. Samples were analyzed for VOCs via EPA Method TO-15.

One indoor ambient air sample (KIC_AA) sample was collected for QA/QC.

4.0 OBSERVATIONS AND RESULTS

4.1 Geophysical Survey

The geophysical surveys did not identify anomalies consistent with USTs at the Site. Several scattered minor anomalies were observed throughout the surveyed areas and near some of the proposed boring locations. Boring locations were adjusted prior to drilling to avoid subsurface utilities and anomalies.

4.2 Subsurface Observations

Surface cover at the Site is primarily concrete. General sub-surface conditions encountered during the Phase II ESI included:

- Fill material, predominantly consisting of grey and brown to dark brown, fine- to coarse-grained sand with some silt, gravel, brick, concrete, weathered rock, and small rock fragments was identified in the borings through a depth of approximately 6 to 20 ft bgs (el 123.7 to 109.8). The fill layer is underlain by primarily brown fine to coarse sands with some silt and sandy silts. Petroleum-related odors, staining, and PID readings greater than background levels were not observed in any of the borings.

- Bedrock was observed underlying the native silt and sand layer at boring locations MW-5 and LG-20 at depths of approximately 8 ft bgs (el. 111.8) and 27.5 ft bgs (el 110.3), respectively.

- Groundwater was encountered at depths of approximately 9 to 30 ft bgs (el 110.6 to 108.7). Inferred groundwater flow direction is southwest.

4.3 Analytical Results

4.3.1 Soil Sample Results

Soil samples analytical results were compared to the NYSDEC Title 6 of the official compilation of New York Codes, Rules and Regulations (6 NYCRR) Part 375 Unrestricted Use and Restricted Commercial-Use Soil Cleanup Objectives (SCOs). Soil samples analytical detections are summarized in Table 1 and are shown on Figure 3. A complete copy of the laboratory report is included in Appendix E. The following is a summary of detections and exceedances of applicable Unrestricted and Restricted Commercial-Use SCOs:

VOCs

Four VOCs (2-butanone, acetone, bromomethane, and methylene chloride) were detected in one or more soil samples.

No VOCs were detected at concentrations exceeding their respective Unrestricted or Restricted Commercial-Use SCOs in soil samples.

SVOCs

Multiple SVOCs were detected in one or more soil samples; however, SVOCs were detected at concentrations exceeding their respective Unrestricted Use SCOs in only one soil sample (LG-19 [0-2]) collected from 0 to 2 ft bgs in boring LG-19. There were no SVOC detections above the applicable SCOs in the duplicate sample (DUP-1 (052113)) of soil sample LG-19 (0-2). The following SVOCs exceeded their respective Unrestricted Use SCOs:

- Benzo(a)pyrene (1 mg/kg[1]) – 1.04 mg/kg
- Benzo(k)fluoranthene (1 mg/kg) – 1.05 mg/kg
- Indeno(1,2,3-cd)pyrene (0.5 mg/kg) – 0.597 mg/kg

An SVOC was detected at a concentration exceeding its respective Restricted Commercial-Use SVOC in only one soil sample (LG-19 [0-2]) for benzo(a)pyrene at 1.04 mg/kg. There were no SVOC detections above the Restrictive Commerical-Use SCO in the duplicate sample (DUP-1 [052113]) of soil sample LG-19 (0-2).

[1] Part 375 Unrestricted Use SCOs shown in parentheses following analyte name

Metals

Eighteen metals were detected in soil samples collected at the Site, including five metals detected at concentrations exceeding their respective Unrestricted Use SCOs:

- Barium (350 mg/kg) - 558 mg/kg in MW-7 (1-5)
- Copper (50 mg/kg) – 50.1 mg/kg in MW-7 (1-5)
- Chromium (30[1] mg/kg)
    - 31.7 mg/kg in LG-20 (0-2); and
    - 32.9 mg/kg in LG-21 (20-22)
- Lead (63 mg/kg)
    - 134 mg/kg in MW-6 (0-2);
    - 392 mg/kg in MW-7 (1-5);
    - 155 mg/kg in MW-8 (0.5-2.5);
    - 79.5 mg/kg in MW-9 (0-2); and
    - 143 in DUP-1 (052113) (duplicate of sample LG-19 (0-2))
- Nickel (30 mg/kg) – 30.7 mg/kg in MW-10 (1-3)
- Zinc (109 mg/kg) – 112 mg/kg in MW-6 (0-2); 501 mg/kg in MW-7 (1-5); and 203 mg/kg in MW-8 (0.5-2.5)

One metal was detected at a concentration exceeding its Restricted Commercial-Use SCO:

- Barium (400 mg/kg) - 558 mg/kg in MW-7 (1-5)

PCBs

There were no PCB detections in the soil samples.

Pesticides

Only the shallow soil samples from each soil boring were analyzed for pesticides. Pesticides were detected but none exceeded their respective Unrestricted or Restricted Commercial-Use SCOs.

[1] Unrestricted Use SCO criteria (30 mg/kg) is for Trivalent Chromium

4.3.2 Groundwater Results

Groundwater analytical results were compared to NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values for Class GA water (drinking water). The analytical results for groundwater are summarized in Table 2 and presented on Figure 4. The table and figure provide results for each compound and highlight the results that are above TOGS AWQS or Guidance Values for drinking water. The analytical results of the groundwater samples are summarized as follows:

VOCs

Bromomethane and methylene chloride were the only VOCs detected in groundwater throughout the Site. Only one VOC, methylene chloride, a common laboratory artifact, was detected at concentrations exceeding its TOGS AWQS or Guidance Value. Methylene Chloride exceedances were detected in all samples including the field blank sample.

SVOCs

Bis(2-ethylhexyl)phthalate was the only SVOCs detected in groundwater throughout the Site, however it did not exceed its respective TOGS AWQS or Guidance Value in any groundwater samples.

Metals

Fifteen metals were detected in groundwater samples. The following is a summary of the three metals that exceeded their respective NYSDEC TOGS Class GA AWQS and GV:

- Iron (300 µg/l)
  - 529 µg/l in MW-6;
  - 4,060 µg/l in MW-7;
  - 1,450 µg/l in the duplicate of sample MW-7

- Manganese (300 µg/l)
  - 352 µg/l in MW-6;
  - 351 µg/l in MW-7;
  - 343 µg/l in the duplicate of sample MW-7;
  - 1,660 µg/l in MW-8;
  - 315 µg/l in MW-9; and
  - 706 µg/l in MW-10

- Sodium (20,000 µg/l)
    - 124,000 µg/l in MW-3;
    - 47,200 µg/l in MW-6;
    - 53,200 µg/l in MW-7;
    - 53,800 µg/l in the duplicate of sample MW-7;
    - 59,500 µg/l in MW-8;
    - 71,400 µg/l in MW-9;
    - 332,000 µg/l in MW-10; and
    - 326,000 µg/l in TRC-MW-3.

Pesticides and PCBs

Pesticides and PCBs were not detected in any of the groundwater samples.

4.3.3 Soil Vapor Results

New York State currently does not have standards, criteria, or guidance values for concentrations of VOCs in sub-surface soil vapor. Therefore, analytical results for soil vapor samples were compared to:

- NYSDOH Air Guideline Values (AGVs) for methylene chloride, tetrachloroethene (PCE), and trichloroethene (TCE);
- NYSDOH Decision Matrix 1 and 2 that address PCE, TCE, 1,1,1-trichloroethane (1,1,1-TCA), and carbon tetrachloride; and
- Background levels of VOCs in indoor air presented in Appendix C of the NYSDOH Guidance, including Upper Fence Limit Indoor Air Values from;
    - "Table C-1 NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes,"
    - 90th Percentile indoor air values from "Table C-2 - EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method", and
    - the 95th Percentile Indoor Air Values from "Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air".

The analytical results for soil vapor and ambient air are summarized in Table 3 and shown in Figure 5. The following VOCs were reported at concentrations that exceeded the range of specified background concentrations:

- n-Hexane
- Trichloroethylene (TCE)
- Tetrachloroethylene (PCE)

NYSDOH AGV Results

- Methylene chloride and PCE were not detected at concentrations exceeding NYSDOH AGV in any of the sub-slab soil vapor samples.
- TCE was detected at a concentration of 400 micrograms per cubic meter (µg/m³) in sample SV-4, exceeding the NYSDOH AGV of 5 µg/m³.

The soil vapor sample results were also compared to Decision Matrices 1 and 2 in the NYSDOH Soil Vapor Intrusion Guidance. The matrices address the compounds tetrachloroethene (PCE), trichloroethene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), and carbon tetrachloride.

Decision Matrix 1 (TCE and carbon tetrachloride)

- The indoor air TCE concentration was 0.18 µg/m^3.
    - TCE was detected at a concentration of 400 µg/m^3 at SV-4, exceeding its AGV of 5 µg/m^3. Matrix 1 recommends mitigation for sub-slab TCE concentrations >250 µg/m^3 for all indoor air TCE concentrations.
    - TCE was not detected in samples taken from SV-1, SV-2, SV-3, and SV-5. Matrix 1 recommends no further action for sub-slab TCE concentrations <50 µg/m^3 for indoor air TCE concentrations <0.25 µg/m^3.
- The indoor air carbon tetrachloride concentration was 0.47 µg/m^3.
    - Carbon tetrachloride was not detected in any of the sub-slab soil vapor samples. Matrix 1 recommends reasonable and practical actions to identify sources and reduce exposures for indoor air concentrations between 0.25 and 1 µg/m^3.

Decision Matrix 2 (PCE and 1,1,1-TCA)

- The indoor air PCE concentration was 3.7 µg/m^3.
    - PCE was detected at concentrations less than 100 µg/m^3 at all soil vapor points. For indoor air PCE concentrations between 3 and 30 µg/m^3 and sub-slab PCE concentrations less than 100 µg/m^3, Matrix 2 recommends reasonable and practical actions to identify sources and reduce exposures.
- 1,1,1-TCA concentration was not detected in the indoor air sample.
    - 1,1,1-TCA was not detected in any of the soil vapor samples. Matrix 2 recommends no further action for indoor air concentrations less than 3 µg/m^3 and sub-slab concentrations less than 100 µg/m^3.

5.0 CONCLUSIONS

Based on the findings of the Phase II SESI, we conclude the following:

- The subsurface at the Site consists of historic fill material underlain by silt and sand above bedrock, which is also consistent with prior investigations. The historic fill layer is predominantly comprised of fine to coarse sand with some silt, gravel, weathered rock, and rock fragments. Historic fill was generally observed up to approximately 20 ft bgs at the outdoor sidewalk-grade boring locations and 8 ft bgs at the indoor basement boring locations.

- No evidence of petroleum impacts was observed based on visual, olfactory, and PID readings.

- Groundwater was encountered between approximately 3 and 30 ft bgs (el 112 to 109) at the Site, with a presumed southwesterly flow.

- Anomalies consistent with utilities, building remnant structures, and urban fill were detected on Site; however, no geophysical anomalies indicative of USTs were identified in surveyed areas.

- Site soils were found to contain SVOCs and metals that are consistent with typical historic fill concentrations.

- Site groundwater was found to contain one VOC and three metals at concentrations above NYSDEC TOGS Class GA AWQS and GVs. However, the presence of methylene chloride, the VOC, is likely not representative of actual groundwater conditions since it is a common laboratory contaminate and it was detected at a similar concentration in the field blank sample, which indicates that the laboratory-supplied deionized water used to perform the field blank may have been contaminated.

- Three VOCs were detected above NYSDOH background levels in soil gas, including PCE and TCE. TCE was detected at a concentration above its AGV of 5 $\mu g/m^3$ in one of the soil vapor samples. TCE was not detected in soil and groundwater samples collected during the SESI.

6.0 LIMITATIONS

This Phase II SESI report was prepared expressly for Kingsbridge National Ice Center ("the Client") for the Site (29 West Kingsbridge Ave. in the Bronx, New York) in support of the

proposed development at the Site. Langan cannot assume responsibility for the use of this Report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

The conclusions, opinions, and recommendations provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples and from environmental reports prepared by other professionals that were provided by "the Client". Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions, and recommendations.

TABLES

Table 1
Soil Sample VOCs, SVOCs, Metals, Pesticides, and PCBs Detections Summary
Phase II Supplemental Environmental Site Investigation
29 West Kingsbridge Road, Bronx, NY
Langan Project No. 170246501

Sample ID Lab ID Sampling Date DilutionFactor	NYSDEC Part 375 Restricted Use Comercial SCO	NYSDEC Part 375 Unrestricted Use SCO	MW-5 (0-2) 13E0744-01 5/21/2013 5		MW-5 (6-8) 13E0744-02 5/21/2013 1		MW-6 (0-2) 13E0711-05 5/20/2013 5		MW-6 (9-11) 13E0711-06 5/20/2013 1		MW-7 (1-5) 13E0711-01 5/20/2013 5		MW-7 (7-9) 13E0711-02 5/20/2013 1		MW-8 (0.5-2.5) 13E0711-07 5/20/2013 5		MW-8 (7.5-9.5) 13E0711-08 5/20/2013 1		MW-9 (0-2) 13E0711-03 5/20/2013 5		MW-9 (6-8) 13E0711-04 5/20/2013 1	
VOC (mg/kg)																						
2-Butanone	500	0.12	0.0027	U	0.0027	U	0.003	U	0.0027	U	0.0035	U	0.0024	U	0.0029	U	0.0027	U	0.0026	U	0.0026	U
Acetone	500	0.05	0.0029	J,B	0.004	J,B	0.003	U	0.0027	U	0.0035	U	0.0024	U	0.0029	U	0.0027	U	0.0026	U	0.0026	U
Bromomethane	~	~	0.0027	U	0.0027	U	0.003	U	0.011		0.019		0.0024	U	0.012		0.0059		0.0026	U	0.0065	
Methylene chloride	500	0.05	0.0063	J	0.0054	J	0.014		0.017		0.022		0.011		0.016		0.016		0.014		0.015	
SVOC (mg/kg)																						
Acenaphthene	500	20	0.0706	U	0.067	U	0.0971	U	0.107	U	0.496	U	0.0993	U	0.0971	U	0.107	U	0.0999	U	0.108	U
Anthracene	500	100	0.106	U	0.101	U	0.146	U	0.161	U	0.749	U	0.15	U	0.146	U	0.161	U	0.151	U	0.163	U
Benzo(a)anthracene	5.6	1	0.0729	U	0.0693	U	0.243	J	0.11	U	0.554	J,D	0.103	U	0.57		0.11	U	0.361		0.112	U
Benzo(a)pyrene	1	1	0.0772	U	0.0733	U	0.326		0.117	U	0.729	J,D	0.109	U	0.689		0.117	U	0.447		0.118	U
Benzo(b)fluoranthene	5.6	1	0.163	U	0.155	U	0.225	U	0.247	U	*1.15*	U	0.23	U	0.505		0.247	U	0.421		0.251	U
Benzo(g,h,i)perylene	500	100	0.0648	U	0.0615	U	0.0891	U	0.0977	U	0.455	U	0.091	U	0.0896	J	0.0977	U	0.105	J	0.0993	U
Benzo(k)fluoranthene	56	0.8	0.195	U	0.185	U	0.29		0.294	U	*1.37*	U	0.274	U	0.617		0.294	U	0.369		0.299	U
Chrysene	56	1	0.0897	U	0.0852	U	0.312		0.135	U	0.655	J,D	0.126	U	0.633		0.135	U	0.404		0.138	U
Fluoranthene	500	100	0.114	U	0.109	U	0.362		0.172	U	1.04	J,D	0.161	U	0.941		0.173	U	0.622		0.175	U
Fluorene	500	30	0.0936	U	0.0889	U	0.129	U	0.141	U	0.658	U	0.132	U	0.129	U	0.141	U	0.132	U	0.144	U
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.0889	U	0.0844	U	0.122	U	0.134	U	*0.625*	U	0.125	U	0.14	J	0.134	U	0.134	J	0.136	U
Phenanthrene	500	100	0.102	U	0.0967	U	0.167	J	0.154	U	0.941	J,D	0.143	U	0.667		0.154	U	0.424		0.156	U
Pyrene	500	100	0.0796	U	0.0755	U	0.486		0.12	U	1.3	J,D	0.112	U	1.2		0.12	U	0.803		0.122	U
Metals (mg/kg)																						
Aluminum	~	~	7490		12300		8150		5460		18700		9940		12700		8380		12200		9140	
Arsenic	16	13	2.33		2.95		3.66		6.06		6.39		2.65		4.65		3.09		3.39		3.99	
Barium	400	350	71.7		69		244		52.1		**558**		143		226		64.9		99.6		53.6	
Cadmium	9.3	2.5	0.117	U	0.111	U	0.107	U	0.118	U	1.17		0.11	U	0.107	U	0.118	U	0.11	U	0.12	U
Calcium	~	~	22100		3100		7170		9570		7470		2980		11200		5190		11200		10800	
Chromium	1500*	30*	20.4		23.4		25.6		13.4		25.1		17		19.7		13.6		25.4		23	
Cobalt	~	~	7.35		9.3		8.14		6.35		16.7		9.04		11.7		6.28		9.93		9.2	
Copper	270	50	16.7		16.5		29.6		12.7		**50.1**		12.9		27.6		9.68		26.7		20.9	
Iron	~	~	13900		22700	E	13900		10800		42500	E	16900		26100	E	17300		24100	E	16300	
Lead	1000	63	4.56		3.06		**134**		4.57		**392**		9.87		**155**		7.88		**79.5**		7.59	
Magnesium	~	~	13300		7840		5180		7160		11700		5410		6690		3000		6270		9030	
Manganese	10000	1600	340		332		210		286		432		215		321		115		267		219	
Nickel	310	30	17.4		15.7		21.4		23.6		24.3		15.8		21.5		16.5		20.9		21.2	
Potassium	~	~	3170		6600		2220		1500		12300		3820		5340		768		3010		2570	
Selenium	1500	3.9	0.585	U	0.753		0.537	U	0.588	U	0.548	U	0.548	U	1.39		0.78		0.552	U	0.598	U
Sodium	~	~	275	B	258	B	284		219		326		188		426		205		339		301	
Vanadium	~	~	23.8		41.2		27.4		18.2		64		36.6		47.9		18.3		36.8		35.3	
Zinc	10000	109	37		42.4		**112**		27.2		**501**		49.3		**203**		37.6		76.2		46.1	
Pesticides (mg/kg)																						
4,4'-DDE	62	0.0033	0.00193	U	NT		0.00266	U	NT		**0.00722**	D	NT		0.00266	U	NT		0.00273	U	NT	
4,4'-DDT	47	0.0033	0.00193	U	NT		0.00266	U	NT		**0.012**	D	NT		0.00266	U	NT		0.00273	U	NT	
PCBs (mg/kg)																						
Total PCBs	1	0.1	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
General Chemistry																						
% Solids	~	~	85.4		90		93.2		85		91.2		91.2		93.2		84.9		90.6		83.6	

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) title 6 of the official compilation of New York Codes, Rules and Regulations (NYCRR) Part 375 Restricted Use Comercial and Unrestricted Use Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Restricted Use Comercial SCO exceedances are highlighted.
4. NYSDEC Part 375 Unrestricted Use SCO exceedances are bolded.
4. Method Detection Limits (MDL) above NYSDEC Part 375 Restricted Use Comercial SCO standards are italicized.
5. VOC = Volatile organic compounds
6. SVOC = Semi-volatile organic compounds
7. PCB = Polychlorinated Biphenyls
8. mg/kg = miligrams per kilogram
9. ~ = this indicates that no regulatory limit has been established for this analyte
10. * = NYSDEC Part 375 Restricted Use Comercial SCO and Unrestricted Use SCO criteria (1500 and 30 mg/kg) are for Trivalent Chromium
11. ND = Not Detected
12. NT = Not Tested

Qualifiers:
B = Analyte found in the analysis batch blank
D = Result is from an analysis that required a dilution
E = Estimated value
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

Table 1
Soil Sample VOCs, SVOCs, Metals, Pesticides, and PCBs Detections Summary
Phase II Supplemental Environmental Site Investigation
29 West Kingsbridge Road, Bronx, NY
Langan Project No. 170246501

Sample ID Lab ID Sampling Date DilutionFactor	NYSDEC Part 375 Restricted Use Comercial SCO	NYSDEC Part 375 Unrestricted Use SCO	MW-10 (1-3) 13E0744-07 5/21/2013 5		MW-10 (32-34) 13E0744-08 5/21/2013 1		LG-19 (0-2) 13E0744-09 5/21/2013 5		DUP-1 (052113) 13E0744-11 5/21/2013 5		LG-19 (26-28) 13E0744-10 5/21/2013 1		LG-20 (0-2) 13E0744-03 5/21/2013 5		LG-20 (22-24) 13E0744-04 5/21/2013 1		LG-21 (0-2) 13E0744-05 5/21/2013 5		LG-21 (20-22) 13E0744-06 5/21/2013 1	
VOC (mg/kg)																				
2-Butanone	500	0.12	0.0025	U	0.0031	U	0.0037	U	0.0031	U	0.0029	U	0.0027	U	0.0026	U	0.0025	U	0.0034	J
Acetone	500	0.05	0.0033	J,B	0.0044	J,B	0.0093	J	0.004	J,B	0.0041	J,B	0.0027	U	0.0042	J,B	0.0025	U	0.023	B
Bromomethane	~	~	0.0025	U	0.0031	U	0.0037	U	0.0031	U	0.0029	U	0.0027	U	0.0026	U	0.0025	U	0.0026	U
Methylene chloride	500	0.05	0.005	J	0.0088	J	0.0086	J,B	0.0055	J	0.0059	J	0.0058	J	0.0058	J	0.0046	J	0.0059	J
SVOC (mg/kg)																				
Acenaphthene	500	20	0.0674	U	0.0698	U	0.338	U	0.0699	U	0.0682	U	0.0663	U	0.0699	U	0.151	J	0.0692	U
Anthracene	500	100	0.102	U	0.105	U	0.509	U	0.105	U	0.103	U	0.1	U	0.11	J	0.296		0.104	U
Benzo(a)anthracene	5.6	1	0.23		0.0721	U	0.972	D	0.105	J	0.0705	U	0.0685	U	0.159	J	0.577		0.0777	J
Benzo(a)pyrene	1	1	0.238		0.0763	U	**1.04**	D	0.102	J	0.0746	U	0.0725	U	0.158	J	0.431		0.12	J
Benzo(b)fluoranthene	5.6	1	0.2		0.162	U	0.858	J,D	0.162	U	0.158	U	0.153	U	0.162	U	0.42		0.16	U
Benzo(g,h,i)perylene	500	100	0.159	J	0.064	U	0.569	J,D	0.0641	U	0.0626	U	0.0608	U	0.0857	J	0.234		0.0738	J
Benzo(k)fluoranthene	56	0.8	0.249		0.193	U	**1.05**	D	0.193	U	0.188	U	0.183	U	0.193	U	0.406		0.191	U
Chrysene	56	1	0.234		0.0887	U	0.988	D	0.102	J	0.0867	U	0.0843	U	0.155	J	0.505		0.088	U
Fluoranthene	500	100	0.404		0.113	U	1.55	D	0.204		0.11	U	0.107	U	0.39		1.04		0.112	U
Fluorene	500	30	0.0894	U	0.0925	U	0.448	U	0.0927	U	0.0905	U	0.0879	U	0.0927	U	0.129	J	0.0918	U
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.167	J	0.0879	U	**0.597**	J,D	0.0881	U	0.086	U	0.0835	U	0.0881	U	0.267		0.0872	U
Phenanthrene	500	100	0.144	J	0.101	U	0.6	J,D	0.107	J	0.0984	U	0.0956	U	0.39		0.847		0.0998	U
Pyrene	500	100	0.28		0.0787	U	1.22	D	0.143	J	0.0769	U	0.0747	U	0.244		0.707		0.0956	J
Metals (mg/kg)																				
Aluminum	~	~	12100		4770		11100		14500		7220		14800		12600		15100		14200	
Arsenic	16	13	2.92		1.33		3.07		4.6		1.22		3.14		5.72		4.3		2.8	
Barium	400	350	72.4		41.1		110		89.6		45.2		81.6		102		81.5		140	
Cadmium	9.3	2.5	0.112	U	0.116	U	0.112	U	0.116	U	0.113	U	0.11	U	0.116	U	0.116	U	0.115	U
Calcium	~	~	5190		1200		9460		1940		1170		1120		1700		1590		2300	
Chromium	1500*	30*	27.4		11.5		26.6		28.7		12.2		31.7		25.9		28		32.9	
Cobalt	~	~	10.4		5.36		9.2		9.43		6.37		9.83		11.6		9.4		12.2	
Copper	270	50	30.7		10.9		35.4		18.6		10.8		22.1		26.8		17		35	
Iron	~	~	18700		10700		18200		20200		10200		20100		17500		20200		20500	
Lead	1000	63	35.8		3.85		58.7		**143**		3.74		6.44		22.5		51.7		8.18	
Magnesium	~	~	7530		2170		6320		5040		1950		4670		4120		5370		7080	
Manganese	10000	1600	307		188		292		443		202		417		223		380		274	
Nickel	310	30	**30.7**		13.6		23.6		25.2		14		25.1		21.5		23.2		25.4	
Potassium	~	~	2000		1150		2560		1040		1000		1720		1220		1010		2600	
Selenium	1500	3.9	0.559	U	0.78		0.559	U	1.25		0.671		0.549	U	0.872		0.578	U	1.07	
Sodium	~	~	195	B	320	B	203	B	123	B	183	B	151	B	249	B	144	B	274	B
Vanadium	~	~	34.1		15		32.6		31.8		14.5		33.5		29.4		31.6		51.9	
Zinc	10000	109	77.4		22.8		90		84.2		23.1		43.1		57.5		57.6		59.9	
Pesticides (mg/kg)																				
4,4'-DDE	62	0.0033	0.00184	U	NT		0.00185	U	0.00191	U	NT		0.00181	U	NT		0.00191	U	NT	
4,4'-DDT	47	0.0033	0.00184	U	NT		0.00185	U	0.00191	U	NT		0.00181	U	NT		0.00191	U	NT	
PCBs (mg/kg)																				
Total PCBs	1	0.1	ND		ND		ND		ND		ND		ND		ND		ND		ND	
General Chemistry																				
% Solids	~	~	89.5		86.5		89.4		86.3		88.4		91		86.3		86.5		87.1	

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) title 6 of the official compilation of New York Codes, Rules and Regulations (NYCRR) Part 375 Restricted Use Comercial and Unrestricted Use Soil Cleanup Objectives (SCO).
2. Only compounds with detections are shown in the table.
3. NYSDEC Part 375 Restricted Use Comercial SCO exceedances are highlighted.
4. NYSDEC Part 375 Unrestricted Use SCO exceedances are bolded.
4. Method Detection Limits (MDL) above NYSDEC Part 375 Restricted Use Comercial SCO standards are italicized.
5. VOC = Volatile organic compounds
6. SVOC = Semi-volatile organic compounds
7. PCB = Polychlorinated Biphenyls
8. mg/kg = miligrams per kilogram
9. ~ = this indicates that no regulatory limit has been established for this analyte
10. * = NYSDEC Part 375 Restricted Use Comercial SCO and Unrestricted Use SCO criteria (1500 and 30 mg/kg) are for Trivalent Chromium
11. ND = Not Detected
12. NT = Not Tested

Qualifiers:
B = Analyte found in the analysis batch blank
D = Result is from an analysis that required a dilution
E = Estimated value
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

Table 2
Groundwater Sample VOCs, SVOCs, Metals, Pesticides, and PCBs Detections Summary
Phase II Supplemental Environmental Site Investigation
29 West Kingsbridge Road, Bronx, NY
Langan Project No. 170246501

Location Sample ID Lab Sample ID Sampling Date	NYSDEC TOGS Standards and Guidance Values - GA	MW-3 MW-3_052313 13E0868-06 5/23/2013	MW-6 MW-6_052313 13E0868-04 5/23/2013	MW-7 MW-7_052313 13E0868-05 5/23/2013	DUP-1 DUP-1_052313 13E0868-02 5/23/2013	MW-8 MW-8_052313 13E0868-01 5/23/2013	MW-9 MW-9_052313 13E0868-03 5/23/2013	MW-10 MW-10_052313 13E0868-07 5/23/2013	TRC-MW-3 TRC-MW-3_052413 13E0868-08 5/24/2013	FB FB_052413 13E0868-09 5/24/2013
VOC (µg/l)										
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.6 J	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5	**7.2**	**6.2**	**7.3**	**5.6**	**7.6**	**6.3**	**5.9**	**6.1**	**7.2**
SVOC (µg/l)										
Bis(2-ethylhexyl)phthalate	5	0.64 J	0.943 J	0.571 U	0.789 J	0.861 J	0.496 U	0.628 U	0.523 U	0.496 U
Pesticides (µg/l)										
Pesticides	~	ND	ND	ND	ND	NT	ND	ND	ND	ND
PCB (µg/l)										
Total PCBs	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (µg/l)										
Aluminum	~	10 U	259	1180	411	96	78	46	32	10 U
Barium	1000	255	79	165	143	90	72	66	60	2 U
Calcium	~	111000	87000	110000	110000	137000	103000	87700	82000	295
Chromium	50	2 U	2 U	2 J	2 U	2 U	2 U	2 U	2 U	2 U
Cobalt	~	2 J	2 J	2 J	2 U	2 U	2 U	2 U	2 U	2 U
Copper	200	12	2 J	10	8	2 J	2 U	2 J	2 J	2 U
Iron	300	52	**529**	**4060**	**1450**	144	211	22	77	10 J
Lead	25	4	2 J	4	3	2 J	3	7	4	4
Magnesium	35000	17000	26700	21000	20500	25500	25800	22300	21600	10 J
Manganese	300	293	**352**	**351**	**343**	**1660**	**315**	**706**	44	2 U
Nickel	100	7	6	1 J	1 J	1 J	1 J	6	1 U	1 U
Potassium	~	11000	13200	11500	11000	13100	12100	8280	7890	26 J
Sodium	20000	**124000**	**47200**	**53200**	**53800**	**59500**	**71400**	**332000**	**326000**	214
Vanadium	~	2 U	2 U	2 J	2 J	2 U	2 U	2 U	2 U	2 U
Zinc	2000	50	2 J	25	2 J	29	21	39	20	36

Notes:
1. Groundwater analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values for Drinking Water (class GA).
2. Only compounds with detections are shown in the table.
3. NYSDEC TOGS 1.1.1 AWQS and Guidance Values exceedances are highlighted and bolded.
4. Method Detection Limits (MDL) above NYSDEC TOGS 1.1.1 AWQS and Guidance Values are italicized.
5. VOCs = Volatile organic compounds
6. SVOCs = Semi-volatile organic compounds
7. PCBs = Polychlorinated Biphenyls
8. µg/l = micrograms per liter
9. ~ = this indicates that no regulatory limit has been established for this analyte
10. ND = Not Detected
11. NT = Not Tested

Qualifiers:
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

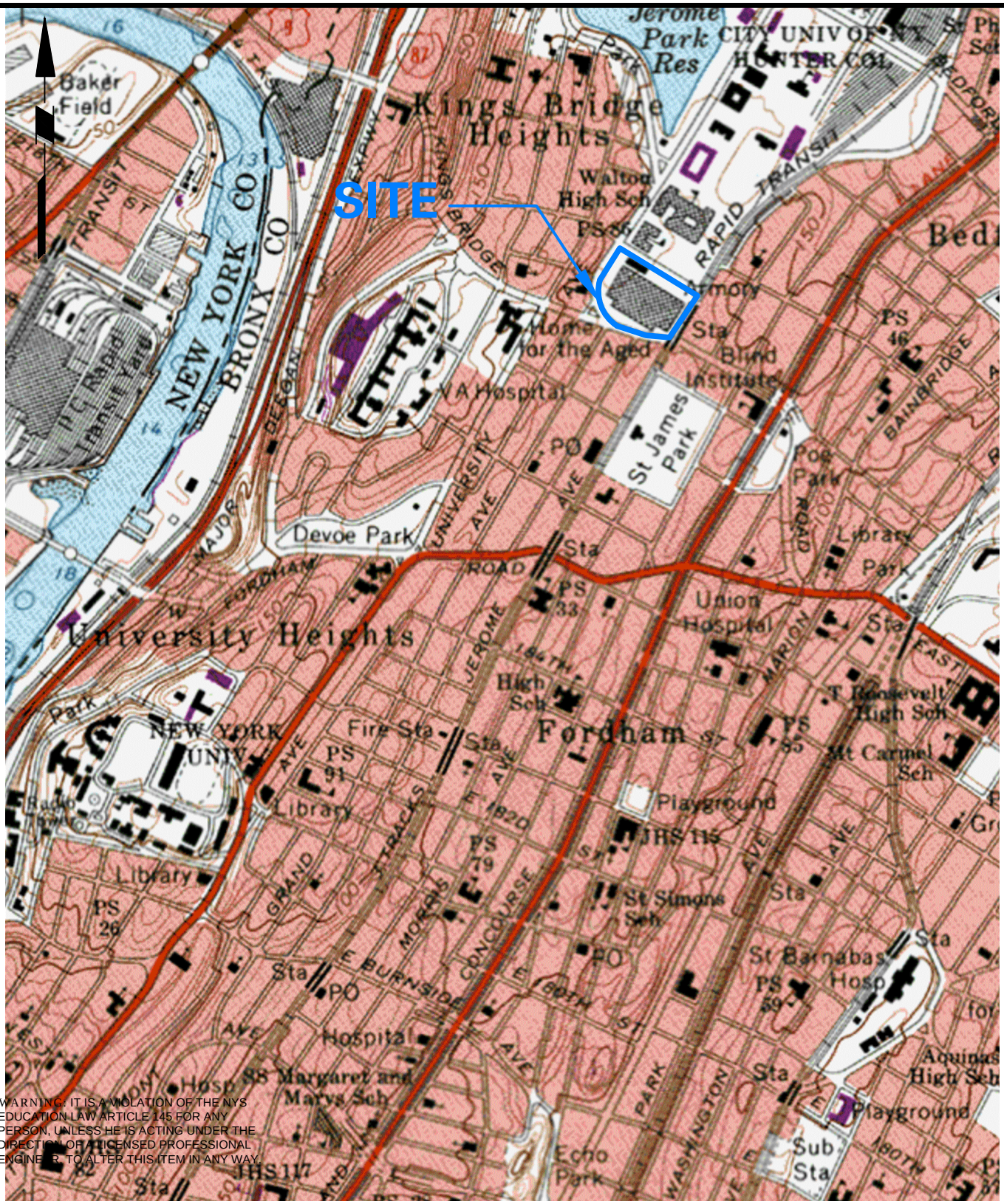
Table 3
Summary of Detected VOCs in Soil Vapor and Ambient Air Samples
29 West Kingsbridge Road
The Bronx, New York
Langan Project No. 170246501

Sample ID Lab ID Sampling Date DilutionFactor	NYSDOH AGV	NYSDOH 2003 FUEL OIL INDOOR AIR UPPER FENCE VALUE	EPA 2001 BASE DATABASE: 90 PERCENTILE	HEI 2005 95 PERCENTILE INDOOR AIR	SV-1 13E0710-01 5/20/2013 18.74		SV-2 13E0710-02 5/20/2013 20.16		SV-3 13E0710-03 5/20/2013 20.83		SV-4 13E0710-04 5/20/2013 17.38		SV-5 13E0710-05 5/20/2013 21		KIC_AA 13E0710-06 5/20/2013 0.66666	
VOCs (µg/m³)																
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	~	~	~	~	15	U	16	U	16	U	14	U	16	U	0.62	D
1,2,4-Trimethylbenzene	~	9.8	91	~	9.4	U	10	U	10	U	8.7	U	10	U	1.2	D
1,3,5-Trimethylbenzene	~	3.9	3.7	~	9.4	U	10	U	10	U	8.7	U	10	U	0.37	D
1,4-Dichlorobenzene	~	1.2	5.5	~	11	U	12	U	13	U	11	U	13	U	0.41	D
2-Butanone	~	16	12	~	5.6	U	6.0	U	6.2	U	5.2	U	6.3	U	1.4	D
Acetone	~	115	98.9	45.8	58	D	39	D	89	D	30	D	49	D	16	D
Benzene	~	13	9.4	10	6.1	U	6.6	U	6.8	U	5.6	U	6.8	U	2.0	D
Carbon tetrachloride	~	1.3	1.3	1.1	6.0	U	6.4	U	6.7	U	5.6	U	6.7	U	0.47	D
Cyclohexane	~	6.3	~	~	6.6	U	7.1	U	7.3	U	6.1	U	7.4	U	1.3	D
Dichlorodifluoromethane	~	10	6.8	~	9.4	U	10	U	10	U	8.7	U	11	U	2.7	D
Ethyl Benzene	~	6.4	5.7	7.62	8.3	U	8.9	U	9.2	U	7.7	U	9.3	U	1.7	D
Isopropanol	~	~	~	~	4.7	U	5.0	U	5.2	U	4.3	U	5.2	U	2.7	D
Methylene chloride	60	16	10	75	13	D	10	D	8.8	D	8.6	D	8.9	D	12	D
n-Heptane	~	~	~	~	47	D	45	D	38	D	43	D	51	D	0.28	U
n-Hexane	~	14	10.2	~	**120**	D	**110**	D	**110**	D	**120**	D	**130**	D	**24**	D
o-Xylene	~	7.1	7.9	7.24	8.3	U	8.9	U	9.2	U	7.7	U	9.3	U	1.8	D
p- & m- Xylenes	~	11	22.2	22.2	17	U	18	U	18	U	15	U	19	U	5.6	D
Tetrachloroethylene	100	2.5	15.9	6.01	13	U	14	U	14	U	**18**	D	14	U	3.7	D
Toluene	~	57	43	39.8	15	D	14	D	8.0	U	12	D	13	D	27	D
Trichloroethylene	5	0.5	4.2	1.36	5.1	U	5.5	U	5.7	U	**400**	D	5.7	U	0.18	U
Trichlorofluoromethane (Freon 11)	~	12	18.1	~	11	U	12	U	12	U	9.9	U	12	U	1.9	D

Notes:
1. Soil vapor samples analytical results are compared to the New York State Department of Health (NYSDOH) Air Guideline Value (AGV), the NYSDOH Fuel Oil 2003 Upper Fence Value, the US Environmental Protection Agency (EPA) Building Assessment and Survey Evaluation (BASE) Database 90th Percentile Indoor Air, and the Health Effects Institute (HEI) 2005 95th Percentile Indoor Air.
2. Only compounds with detections are shown in table.
3. NYSDOH AGV exceedances are highligted and bolded.
4. Results above all three specified background levels are bolded.
5. VOCs = Volatile Organic Compounds
6. µg/m^3 = micrograms per cubic meter
7. ~ = This indicates that no regulatory limit has been established for this analyte.

Qualifiers:
U = Analyte not detected at or above the level indicated
D = Result is from an analysis that required a dilution

FIGURES



WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

BASE MAP OBTAINED FROM THE UNITED STATES GEOLOGICAL SURVEY (USGS), TOPOGRAPHIC MAPS, CENTRAL PARK, NY QUADRANGLE, DATED 1979, AND WEEHAWKEN, NJ, NY QUADRANGLE, DATED 1967 AND REVISED 1981.

LANGAN

21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

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

KINGSBRIDGE ARMORY

BLOCK No. 3247, LOT No. 2

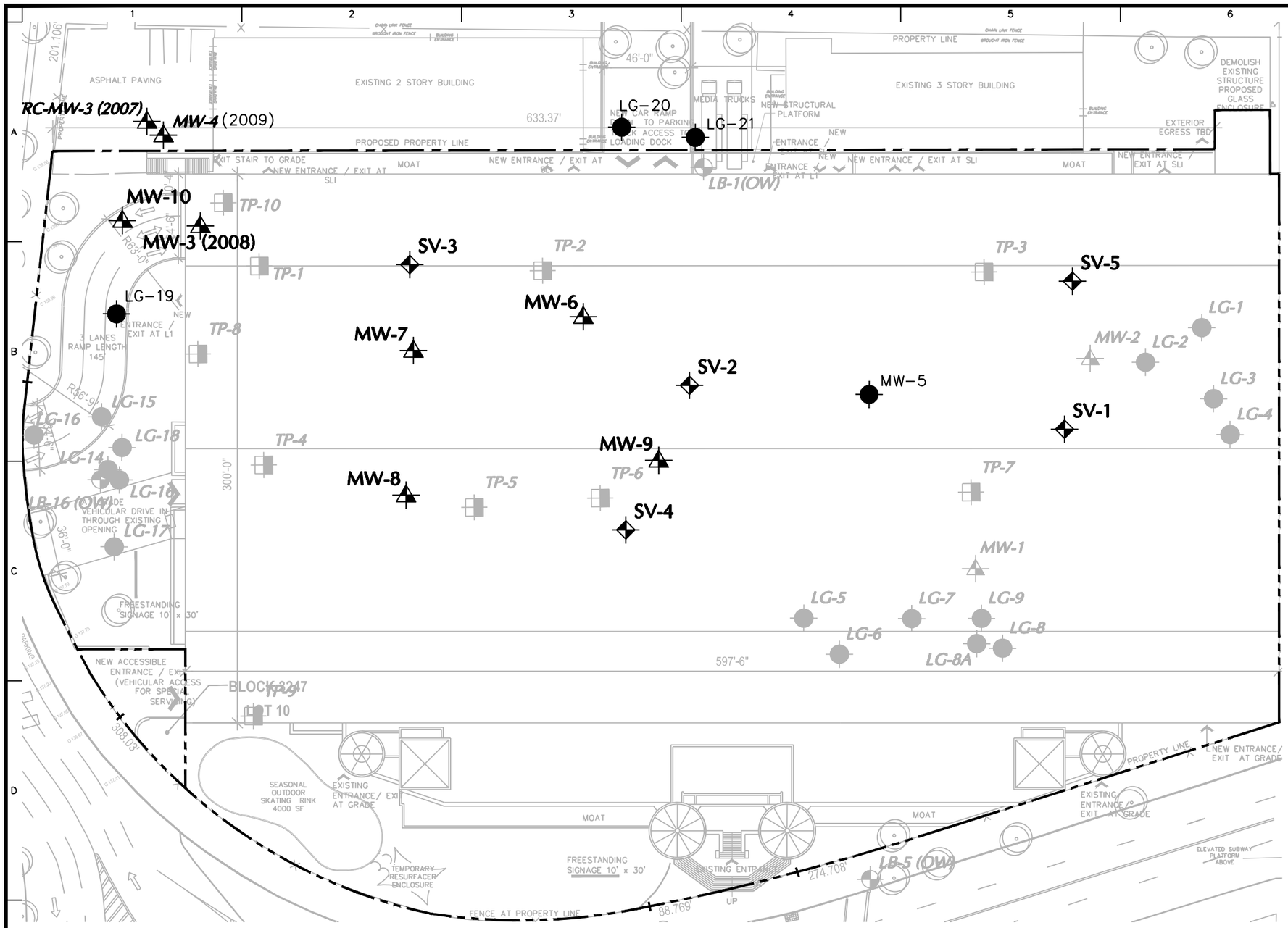
BRONX NEW YORK

SITE LOCATION MAP

Project No.	170246501
Date	JUNE 4, 2013
Scale	NTS
Drawn By	PM
Drawing No.	1

Filename: \\vmlangan.com\data\NY\data5\170246501\Cadd Data - 170246501\SheetFiles\Figures\Environmental\Phase II ESA\Figure 1 - Site Location Map.dwg Date: 6/4/2013 Time: 12:10 User: pmcmahon Style Table: Langan.stb Layout: Layout1-A Size Sheet (Bottom)

© 2013 Langan



REFERENCE:
BASE MAP FROM 2013 CONCEPTUAL SITE PLAN BY BBB ARCHITECTS

LEGEND

- SITE BOUNDARY
- LG-19 — BORING LOCATION
- MW-5 — TEMPORARY MONITORING WELL/ BORING LOCATION
- SV-1 — SOIL VAPOR SAMPLING POINT
- LB-1(OW) — 2008 OBSERVATION WELL
- LG-5 — 2008 GEOPROBE BORING
- MW-2 — 2008 / 2009 MONITORING WELL
- TP-6 — 2008 TEST PIT

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

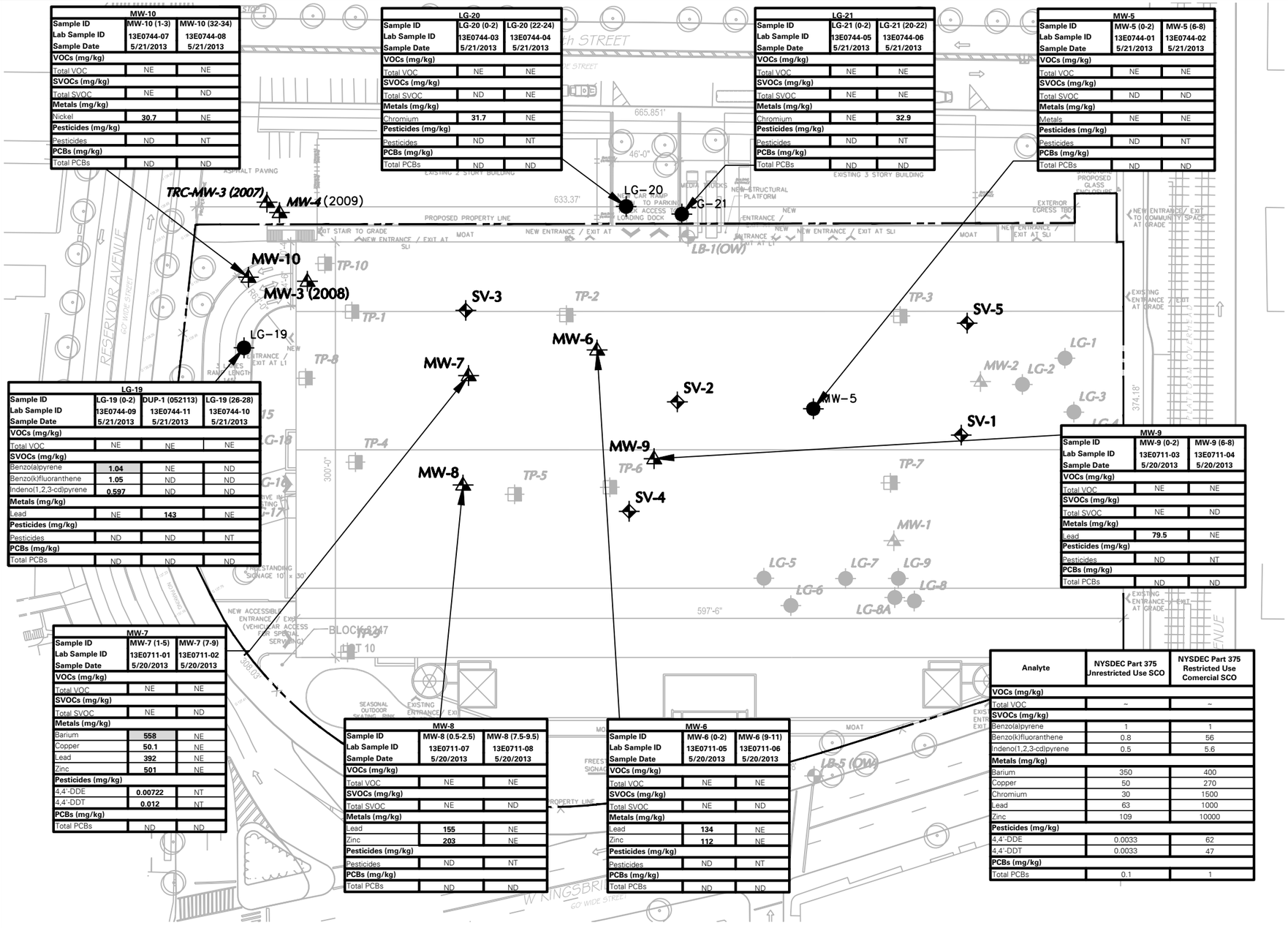
Project
KINGSBRIDGE ARMORY
BLOCK No. 3247, LOT No. 2
BRONX NEW YORK

Drawing Title
BORING AND MONITORING WELL LOCATION PLAN

Project No. 170246501	Drawing No. 2
Date MAY 28, 2013	
Scale 1" = 60'	
Drawn By PM	
Submission Date	

© 2013 Langan

Filename: \\Langan.com\data\NY\data5\170246501\Cadd Data - 170246501\SheetFiles\Figures\Environmental\Phase II ESA\FG02-170246501-NI102-0101 TWO.dwg Date: 6/4/2013 Time: 11:42 User: pmcmahon Style Table: Langan.stb Layout: ANSIB-BL



MW-10		
Sample ID	MW-10 (1-3)	MW-10 (32-34)
Lab Sample ID	13E0744-07	13E0744-08
Sample Date	5/21/2013	5/21/2013
VOCs (mg/kg)		
Total VOC	NE	NE
SVOCs (mg/kg)		
Total SVOC	NE	ND
Metals (mg/kg)		
Nickel	**30.7**	NE
Pesticides (mg/kg)		
Pesticides	ND	NT
PCBs (mg/kg)		
Total PCBs	ND	ND

LG-20		
Sample ID	LG-20 (0-2)	LG-20 (22-24)
Lab Sample ID	13E0744-03	13E0744-04
Sample Date	5/21/2013	5/21/2013
VOCs (mg/kg)		
Total VOC	NE	NE
SVOCs (mg/kg)		
Total SVOC	ND	NE
Metals (mg/kg)		
Chromium	**31.7**	NE
Pesticides (mg/kg)		
Pesticides	ND	NT
PCBs (mg/kg)		
Total PCBs	ND	ND

LG-21		
Sample ID	LG-21 (0-2)	LG-21 (20-22)
Lab Sample ID	13E0744-05	13E0744-06
Sample Date	5/21/2013	5/21/2013
VOCs (mg/kg)		
Total VOC	NE	NE
SVOCs (mg/kg)		
Total SVOC	NE	NE
Metals (mg/kg)		
Chromium	NE	**32.9**
Pesticides (mg/kg)		
Pesticides	ND	NT
PCBs (mg/kg)		
Total PCBs	ND	ND

MW-5		
Sample ID	MW-5 (0-2)	MW-5 (6-8)
Lab Sample ID	13E0744-01	13E0744-02
Sample Date	5/21/2013	5/21/2013
VOCs (mg/kg)		
Total VOC	NE	NE
SVOCs (mg/kg)		
Total SVOC	ND	ND
Metals (mg/kg)		
Metals	NE	NE
Pesticides (mg/kg)		
Pesticides	ND	NT
PCBs (mg/kg)		
Total PCBs	ND	ND

LG-19			
Sample ID	LG-19 (0-2)	DUP-1 (052113)	LG-19 (26-28)
Lab Sample ID	13E0744-09	13E0744-11	13E0744-10
Sample Date	5/21/2013	5/21/2013	5/21/2013
VOCs (mg/kg)			
Total VOC	NE	NE	NE
SVOCs (mg/kg)			
Benzo(a)pyrene	**1.04**	NE	ND
Benzo(k)fluoranthene	**1.05**	ND	ND
Indeno(1,2,3-cd)pyrene	**0.597**	ND	ND
Metals (mg/kg)			
Lead	NE	**143**	NE
Pesticides (mg/kg)			
Pesticides	ND	ND	NT
PCBs (mg/kg)			
Total PCBs	ND	ND	ND

MW-9		
Sample ID	MW-9 (0-2)	MW-9 (6-8)
Lab Sample ID	13E0711-03	13E0711-04
Sample Date	5/20/2013	5/20/2013
VOCs (mg/kg)		
Total VOC	NE	NE
SVOCs (mg/kg)		
Total SVOC	NE	ND
Metals (mg/kg)		
Lead	**79.5**	NE
Pesticides (mg/kg)		
Pesticides	ND	NT
PCBs (mg/kg)		
Total PCBs	ND	ND

MW-7		
Sample ID	MW-7 (1-5)	MW-7 (7-9)
Lab Sample ID	13E0711-01	13E0711-02
Sample Date	5/20/2013	5/20/2013
VOCs (mg/kg)		
Total VOC	NE	NE
SVOCs (mg/kg)		
Total SVOC	NE	ND
Metals (mg/kg)		
Barium	**558**	NE
Copper	**50.1**	NE
Lead	**392**	NE
Zinc	**501**	NE
Pesticides (mg/kg)		
4,4'-DDE	**0.00722**	NT
4,4'-DDT	**0.012**	NT
PCBs (mg/kg)		
Total PCBs	ND	ND

MW-8		
Sample ID	MW-8 (0.5-2.5)	MW-8 (7.5-9.5)
Lab Sample ID	13E0711-07	13E0711-08
Sample Date	5/20/2013	5/20/2013
VOCs (mg/kg)		
Total VOC	NE	NE
SVOCs (mg/kg)		
Total SVOC	NE	ND
Metals (mg/kg)		
Lead	**155**	NE
Zinc	**203**	NE
Pesticides (mg/kg)		
Pesticides	ND	NT
PCBs (mg/kg)		
Total PCBs	ND	ND

MW-6		
Sample ID	MW-6 (0-2)	MW-6 (9-11)
Lab Sample ID	13E0711-05	13E0711-06
Sample Date	5/20/2013	5/20/2013
VOCs (mg/kg)		
Total VOC	NE	NE
SVOCs (mg/kg)		
Total SVOC	NE	ND
Metals (mg/kg)		
Lead	**134**	NE
Zinc	**112**	NE
Pesticides (mg/kg)		
Pesticides	ND	NT
PCBs (mg/kg)		
Total PCBs	ND	ND

Analyte	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Use Comercial SCO
VOCs (mg/kg)		
Total VOC	~	~
SVOCs (mg/kg)		
Benzo(a)pyrene	1	1
Benzo(k)fluoranthene	0.8	56
Indeno(1,2,3-cd)pyrene	0.5	5.6
Metals (mg/kg)		
Barium	350	400
Copper	50	270
Chromium	30	1500
Lead	63	1000
Zinc	109	10000
Pesticides (mg/kg)		
4,4'-DDE	0.0033	62
4,4'-DDT	0.0033	47
PCBs (mg/kg)		
Total PCBs	0.1	1

LEGEND

- SITE BOUNDARY
- LG-19 — BORING LOCATION
- MW-5 — TEMPORARY MONITORING WELL/ BORING LOCATION
- SV-1 — SOIL VAPOR SAMPLING POINT
- LB-1(OW) — 2008 OBSERVATION WELL
- LG-5 — 2008 GEOPROBE BORING
- MW-2 — 2008 / 2009 MONITORING WELL
- TP-6 — 2008 TEST PIT

NOTES:

1. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC TITLE 6 OF THE OFFICIAL COMPILATION OF NYCRR PART 375 UNRESTRICTED USE SOIL CLEANUP OBJECTIVES (SCO) AND RESTRICTED USE COMERCIAL SCO.
2. NYSDEC PART 375 UNRESTRICTED USE SCO EXCEEDANCES ARE BOLDED.
3. NYSDEC PART 375 RESTRICTED USE COMERCIAL SCO EXCEEDANCES ARE HIGHLIGHTED.
4. VOCs = VOLATILE ORGANIC COMPOUNDS
5. SVOCs = SEMIVOLATILE ORGANIC COMPOUNDS
6. PCBs = POLYCHLORINATED BIPHENYLS
7. mg/kg = MILLIGRAM PER KILOGRAM
8. ~ = THIS INDICATES THAT NO REGULATORY LIMIT HAS BEEN ESTABLISHED FOR THIS ANALYTE
9. ND = COMPOUNDS NOT DETECTED
10. NE = COMPOUNDS DID NOT EXCEED THEIR RESPECTIVE NYSDEC PART 375 UNRESTRICTED USE SCO
11. NT = NOT TESTED
12. DUP-1 (052113) IS A DUPLICATE SAMPLE OF LG-19 (0-2)

REFERENCE:
BASE MAP FROM 2013 CONCEPTUAL SITE PLAN BY BBB ARCHITECTS

80 0 40 80
SCALE IN FEET

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

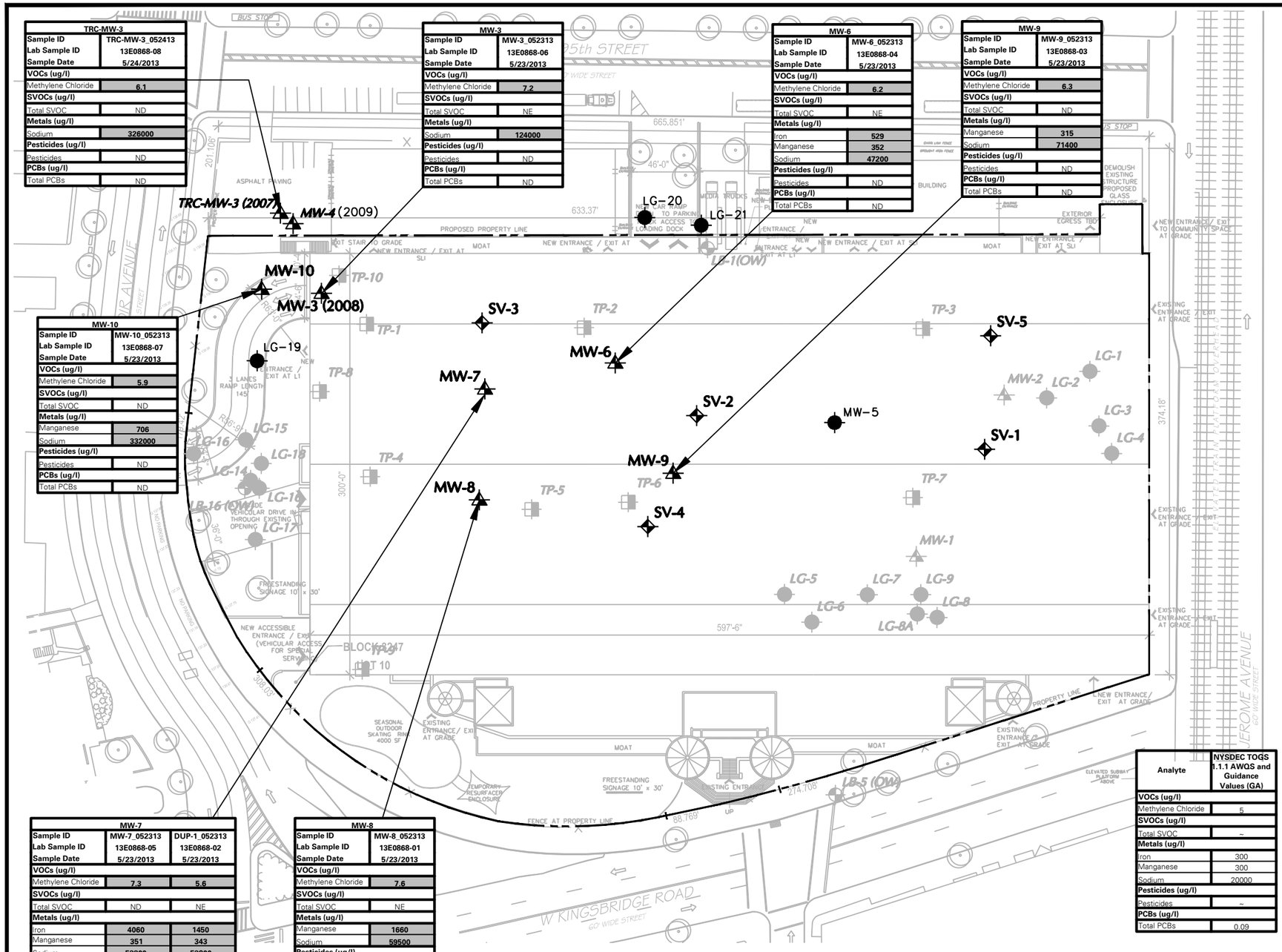
Project
KINGSBRIDGE ARMORY
BLOCK No. 3247, LOT No. 2
BRONX NEW YORK

Drawing Title
SOIL SAMPLE LOCATIONS AND RESULTS MAP

Project No. 170246501	Drawing No. 3
Date MAY 30, 2013	
Scale 1" = 80'	
Drawn By PM	
Submission Date	

© 2013 Langan

Filename: \\langan.com\data\NY\data5\170246501\Cadd Data - 170246501\SheetFiles\Figures\Environmental\Phase II ESA\FG02-170246501-NI102-0101 Soil Results Tag Map.dwg Date: 6/7/2013 Time: 13:40 User: mboguszewski Style Table: Langan.stb Layout: ANSIB-BL



REFERENCE:
BASE MAP FROM 2013 CONCEPTUAL SITE PLAN BY BBB ARCHITECTS

LEGEND

- SITE BOUNDARY
- LG-19 — BORING LOCATION
- MW-5 — TEMPORARY MONITORING WELL/ BORING LOCATION
- SV-1 — SOIL VAPOR SAMPLING POINT
- LB-1(OW) — 2008 OBSERVATION WELL
- LG-5 — 2008 GEOPROBE BORING
- MW-2 — 2008 / 2009 MONITORING WELL
- TP-6 — 2008 TEST PIT

NOTES:

1. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS) AND GUIDANCE VALUES FOR DRINKING WATER (CLASS GA).
2. ONLY DETECTIONS ARE SHOWN.
3. NYSDEC TOGS 1.1.1 AWQS AND GUIDANCE VALUES EXCEEDANCES ARE HIGHLIGHTED AND BOLDED.
4. VOCs = VOLATILE ORGANIC COMPOUNDS
5. SVOCs = SEMIVOLATILE ORGANIC COMPOUNDS
6. PCBs = POLYCHLORINATED BIPHENYLS
7. ug/l = MICROGRAMS PER LITER
8. ~ = THIS INDICATES THAT NO REGULATORY LIMIT HAS BEEN ESTABLISHED FOR THIS ANALYTE
9. ND = COMPOUNDS NOT DETECTED
10. NE = COMPOUNDS DID NOT EXCEED THEIR RESPECTIVE NYSDEC TOGS 1.1.1 AWQS AND GUIDANCE VALUES
11. NT = NOT TESTED
12. DUP-1_052313 IS A DUPLICATE SAMPLE OF MW-7_052313

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project
KINGSBRIDGE ARMORY
BLOCK No. 3247, LOT No. 2
BRONX NEW YORK

Drawing Title
GROUNDWATER SAMPLE LOCATIONS AND RESULTS MAP

Project No. 170246501	Drawing No. 4
Date JUNE 2, 2013	
Scale 1" = 80'	
Drawn By MB	
Submission Date	

© 2013 Langan

Filename: \\langan.com\data\NY\data5\170246501\Cadd Data - 170246501\SheetFiles\Figures\Environmental\Phase II ESA\FG02-170246501-NI102-0101 GW Results Tag Map.dwg Date: 6/7/2013 Time: 13:33 User: mboguszewski Style Table: Langan.stb Layout: ANSIB-BL

SV-3	
Sample ID	SV-3
Lab Sample ID	13E0710-03
Sample Date	5/20/2013
VOCs (ug/m^3)	
Total VOCs	NE

SV-2	
Sample ID	SV-2
Lab Sample ID	13E0710-02
Sample Date	5/20/2013
VOCs (ug/m^3)	
Total VOCs	NE

SV-5	
Sample ID	SV-5
Lab Sample ID	13E0710-05
Sample Date	5/20/2013
VOCs (ug/m^3)	
Total VOCs	NE

SV-4	
Sample ID	SV-4
Lab Sample ID	13E0710-04
Sample Date	5/20/2013
VOCs (ug/m^3)	
Trichloroethylene	400

SV-1	
Sample ID	SV-1
Lab Sample ID	13E0710-01
Sample Date	5/20/2013
VOCs (ug/m^3)	
Total VOCs	NE

KIC_AA	
Sample ID	KIC_AA
Lab Sample ID	13E0710-06
Sample Date	5/20/2013
VOCs (ug/m^3)	
Total VOCs	NE

LEGEND

- SITE BOUNDARY
- LG-19 — BORING LOCATION
- MW-5 — TEMPORARY MONITORING WELL/ BORING LOCATION
- SV-1 — SOIL VAPOR SAMPLING POINT
- LB-1(OW) — 2008 OBSERVATION WELL
- LG-5 — 2008 GEOPROBE BORING
- MW-2 — 2008 / 2009 MONITORING WELL
- TP-6 — 2008 TEST PIT

NOTES:

1. SOIL VAPOR SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) AIR GUIDANCE VALUE (AGV).
2. ONLY DETECTIONS ARE SHOWN.
3. NYSDOH AGV EXCEEDANCES ARE HIGHLIGHTED AND BOLDED.
4. KIC_AA = AMBIENT AIR SAMPLE
5. VOCs = VOLATILE ORGANIC COMPOUNDS
6. ug/m^3 = MICROGRAMS PER CUBIC METER
7. NE = COMPOUNDS DID NOT EXCEED THEIR RESPECTIVE NYSDOH AGV

Analyte	NYSDOH AGV
VOCs (ug/m^3)	
Trichloroethylene	5

REFERENCE:
BASE MAP FROM 2013 CONCEPTUAL SITE PLAN BY BBB ARCHITECTS

80 0 40 80
SCALE IN FEET

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project
KINGSBRIDGE ARMORY
BLOCK No. 3247, LOT No. 2
BRONX NEW YORK

Drawing Title
SOIL VAPOR SAMPLE LOCATIONS AND RESULTS MAP

Project No.	Drawing No.
170246501	5
Date: JUNE 4, 2013	
Scale: 1" = 80'	
Drawn By: MB	
Submission Date	

© 2013 Langan

Filename: \\langan.com\data\NY\data5\170246501\Cadd Data - 170246501\SheetFiles\Figures\Environmental\Phase II ESA\FG02-170246501-NI102-0101 Soil Vapor Results Tag Map.dwg Date: 6/7/2013 Time: 13:41 User: mboguszewski Style Table: Langan.stb Layout: ANSIB-BL

APPENDIX A

LANGAN

Log of Boring **LG-19** Sheet 1 of 2

Project: Kingsbridge Armory	Project No.: 170246501
Location: 29 West Kingsbridge Rd. The Bronx, NY	Elevation and Datum: 139.7 feet above msl
Drilling Company: Laurel Environmental Associates, Ltd.	Date Started: 5/21/13 — Date Finished: 5/21/13
Drilling Equipment: Geoprobe 6610DT	Completion Depth: 35 ft — Rock Depth: N/A
Size and Type of Bit: 2" Macrocore	Number of Samples: Disturbed 2 — Undisturbed — Core
Casing Diameter (in): 2" — Casing Depth (ft): 5'	Water Level (ft.): First ▽ 28 — Completion ▼ — 24 HR. ▼
Casing Hammer: Steel — Weight (lbs) — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: Acetate Liner	Inspecting Engineer: Paul McMahon
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+139.7									
	+139.5	2" concrete slab								1250 - Begin Drilling
		0-3" - pulverized concrete 3-8" - dk brown f-c sand, some gravel; trace coal and weathered rock; dry [FILL] 8-33" - brown f-c sand with trace silt, gravel, weathered rock; dry [FILL]	0.0	0	S-1	MACROCORE	33		10 20 30 40	1306 - Take Sample LG-19 (0-2) VOC/SVOC/Metals/ Pesticides/PCBs
			0.0	1						
			0.0	2						
			0.0	3						
			0.0	4						
			0.0	5	S-2	MACROCORE	23			
			0.0	6						
			0.0	7						
			0.0	8						
			0.0	9						
			0.0	10	S-3	MACROCORE	27			
			0.0	11						
			0.0	12						
			0.0	13						
			0.0	14						
			0.0	15						
	+123.7		0.0	16	S-4	MACROCORE	32			
		9-32" - reddish brown m-c sand, trace silt and weathered rock; dry	0.0	17						
			0.0	18						
			0.0	19						
			0.0	20						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:17:40 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **LG-19** Sheet 2 of 2

Project	Project No.
Kingsbridge Armory	170246501
Location	**Elevation and Datum**
29 West Kingsbridge Rd. The Bronx, NY	139.7 feet above msl

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+117.7		0.0	20						
			0.0	21						
		lt brown and grey sandy silt, trace weathered rock and rock fragments; dry	0.0	22	S-5	MACROCORE	29			
			0.0	23						
			0.0	24						
	+114.7		0.0	25						
		0-20" lt brown m-c sand with some weathered rock; dry	0.0	26						1320 - Take Sample LG-19 (26-28 VOC/SVOC/Metals/PCBs
			0.0	27						
		20-48" - reddish-brown coarse sand; wet ▽	0.0	28	S-6	MACROCORE	48			
			0.0	29						
			0.0	30						
		0-42" - reddish brown coarse sand; saturated	0.0	31						
			0.0	32						
			0.0	33	S-7	MACROCORE	42			
			0.0	34						
	+104.7		0.0	35						End of Boring at 35 ft bgs
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:17:41 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **LG-20** Sheet 1 of 2

Project: Kingsbridge Armory	Project No.: 170246501
Location: 29 West Kingsbridge Rd. The Bronx, NY	Elevation and Datum: 137.8 feet above msl
Drilling Company: Laurel Environmental Associates, Ltd.	Date Started: 5/21/13 — Date Finished: 5/21/13
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 27.5 ft — Rock Depth: 27.5 ft
Size and Type of Bit: 2" Macrocore	Number of Samples: Disturbed 2 — Undisturbed — Core
Casing Diameter (in): 2" — Casing Depth (ft): 5'	Water Level (ft.): First ▽ 23 — Completion ▼ — 24 HR. ▼
Casing Hammer: Steel — Weight (lbs) — Drop (in)	Drilling Foreman: Kevin Kegel
Sampler: Acetate Liner	Inspecting Engineer: Paul McMahon
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+137.8	0-10" - dk brown f-c sand with trace silt, gravel, grass, roots, wood; moist [topsoil]	0.0	0						1000 - Begin Drilling
	+136.3	10-38" - brown f-m sand with some silt; trace gravel and weathered rock; dry [FILL]	0.0	1						
			0.0	2	S-1	MACROCORE	42			1149 - Take Sample LG-20 (0-2) VOC/SVOC/Metals/ Pesticides/PCBs
			0.0	3						
		38-42", 0-14" - rock fragments and weathered rock with some brown m-f sand; dry [FILL]	0.0	4						
			0.0	5						
			0.0	6						
			0.0	7	S-2	MACROCORE	14			
			0.0	8						
			0.0	9						
		0-9" - weathered rock with some brown m-f sand; dry [FILL]	0.0	10						
			0.0	11						
			0.0	12	S-3	MACROCORE	9			
			0.0	13						
			0.0	14						
		0-10" - weathered rock and rock fragments; dry [FILL]	0.0	15						
			0.0	16						
			0.0	17	S-4	MACROCORE	22			
		10-22" - brown f-c sand with some weathered rock and rock fragments; dry [FILL]	0.0	18						
			0.0	19						
	+117.8		0.0	20						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:17:46 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **LG-20** Sheet 2 of 2

Project	Project No.
Kingsbridge Armory	170246501
Location	**Elevation and Datum**
29 West Kingsbridge Rd. The Bronx, NY	137.8 feet above msl

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+112.8	0-17" - brown and lt gray sandy silt with trace weatherd rock and rock fragments; wet	0.0	20	S-5	MACROCORE	17			1201 - Take Sample LG-20 (22-24) VOC/SVOC/Metals/PCBs
			0.0	21						
			0.0	22						
			0.0	23						
			0.0	24						
	+110.3	0-17" - dk grey f-c sand with trace silt and weathered rock; saturated	0.0	25	S-6	MACROCORE	17			
			0.0	26						
			0.0	27						End of Boring at 27.5 ft bgs - Refusal at bedrock
				28						
				29						
				30						
				31						
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:17:46 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **LG-21** Sheet 1 of 2

Project: Kingsbridge Armory	Project No.: 170246501
Location: 29 West Kingsbridge Rd. The Bronx, NY	Elevation and Datum: 137.8 feet above msl
Drilling Company: Laurel Environmental Associates, Ltd.	Date Started: 5/21/13 / Date Finished: 5/21/13
Drilling Equipment: Geoprobe 6610DT	Completion Depth: 30 ft / Rock Depth: N/A
Size and Type of Bit: 2" Macrocore	Number of Samples: Disturbed 3 / Undisturbed / Core
Casing Diameter (in): 2" / Casing Depth (ft): 5'	Water Level (ft.): First ▽ 22 / Completion / 24 HR.
Casing Hammer: Steel / Weight (lbs) / Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: Acetate Liner	Inspecting Engineer: Paul McMahon
Sampler Hammer / Weight (lbs) / Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+137.8	0-8" - dk brown m-f sand with trace roots, silt, and gravel; moist (topsoil)	0.0	0						0930 - Begin Drilling
	+136.3	8-35" - lt brown silty sand with trace gravel, rock fragments, and weathered rock; dry [FILL]	0.0	1						
			0.0	2	S-1	MACROCORE	35			1055 - Take Sample LG-21 (0-2) VOC/SVOC/Metals/ Pesticides/PCBs
			0.0	3						1105 - Take Sample DUP-1 (052113) VOC/SVOC/Metals/ Pesticides/PCBs
			0.0	4						
		0-16" - lt brown m-f sand, with some coal; trace weathered rock, glass, and brick; dry [FILL]	0.0	5						
			0.0	6						
		16-26" - lt brown f-c sand with some weathered rock and rock fragments; dry [FILL]	0.0	7	S-2	MACROCORE	38			
			0.0	8						
		26-38" - brown m-f saand with some silt; trace rock fragments, weathered rock, and brick; dry [FILL]	0.0	9						
		0-14" - brown c-f sand with some silt; trace rock fragments, weathered rock, coal, and brick; dry [FILL]	0.0	10						
			0.0	11						
		14-33" - brown m-c sand with some silt, trace rock fragments and weathered rock; dry [FILL]	0.0	12	S-3	MACROCORE	33			
			0.0	13						
			0.0	14						
		0-22" - lt brown f-c sand and gray silt with some weathered rock; trace rock fragments; dry	0.0	15						
			0.0	16						
			0.0	17	S-4	MACROCORE	40			
	+119.8		0.0	18						
		22-40" - lt brown m-f sand with some weathered rock; trace silt; dry	0.0	19						
			0.0	20						

\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:17:49 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **LG-21** Sheet 2 of 2

Project	Project No.
Kingsbridge Armory	170246501
Location	**Elevation and Datum**
29 West Kingsbridge Rd. The Bronx, NY	137.8 feet above msl

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+116.8	8-43" - grayish brown sandy silt; trace weathered rock; wet	0.0	20						1125 - Take Sample LG-21 (20-22) VOC/SVOC/Metals/PCBs
			0.0	21						
			0.0	22	S-5	MACROCORE	46			
			0.0	23						
			0.0	24						
	+113.3	43-46", 0-6" - dk gray coarse sand and silt; moist (organic odor)	0.0	25						
			0.0	26						
	+111.8	6-33" - brown m-c sand with some silt; trace weathered rock; moist	0.0	27	S-6	MACROCORE	33			
			0.0	28						
			0.0	29						
	+107.8		0.0	30						Endo of Boring at 30 ft bgs
				31						
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:17:50 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **MW-10** Sheet 1 of 2

Project: Kingsbridge Armory	Project No.: 170246501
Location: 29 West Kingsbridge Rd. The Bronx, NY	Elevation and Datum: 139.1 feet above msl
Drilling Company: Laurel Environmental Associates, Ltd.	Date Started: 5/21/13 / Date Finished: 5/21/13
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 35 ft / Rock Depth: N/A
Size and Type of Bit: 2" Macrocore	Number of Samples: Disturbed 2 / Undisturbed / Core
Casing Diameter (in): 2" / Casing Depth (ft): 5'	Water Level (ft.): First ▽ 30 / Completion ▼ / 24 HR. ▼
Casing Hammer: Steel / Weight (lbs) / Drop (in)	Drilling Foreman: Kevin Kegel
Sampler: Acetate Liner	Inspecting Engineer: Paul McMahon
Sampler Hammer / Weight (lbs) / Drop (in)	

MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+139.1									
	+138.9	2" concrete slab								
		0-6" - pulverized concrete 6-27" - brown m-f sand with trace silt, gravel, and weathered rock; dry [FILL]	0.0	0						1245 - Begin Drilling
			0.0	1						
			0.0	2	S-1	MACROCORE	27			1333 - Take Sample MW-10 (1-3) VOC/SVOC/Metals/ Pesticides/PCBs
			0.0	3						
			0.0	4						
			0.0	5						
			0.0	6						
			0.0	7	S-2	MACROCORE	17			
			0.0	8						
			0.0	9						
			0.0	10						
			0.0	11						
			0.0	12	S-3	MACROCORE	15			
			0.0	13						
			0.0	14						
		0-16" - dk gray and lt brown m-c sand with some weathered rock and rock fragments; dry [FILL]	0.0	15						
			0.0	16						
			0.0	17	S-4	MACROCORE	24			
	+121.1		0.0	18						
		16-24" - lt brown fine sand with some silt	0.0	19						
			0.0	20						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:17:54 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **MW-10** Sheet 2 of 2

Project	Project No.
Kingsbridge Armory	170246501
Location	**Elevation and Datum**
29 West Kingsbridge Rd. The Bronx, NY	139.1 feet above msl

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+114.1	No Recovery	0.0	20	S-5	MACROCORE	16		10 20 30 40	
			0.0	21						
			0.0	22						
			0.0	23						
			0.0	24						
			0.0	25						
			0.0	26	S-6	MACROCORE	0			
			0.0	27						
			0.0	28						
			0.0	29						
	+109.1	0-20" - reddish brown coarse sand; saturated ▽	0.0	30						
			0.0	31						1355 - Take Sample MW-10 (32-34) VOC/SVOC/Metals/PCBs
			0.0	32						
	+106.6	20-40" - reddish-brown sandy silt	0.0	33	S-7	MACROCORE	40			
			0.0	34						
	+104.1		0.0	35						End of Boring at 35 ft bgs
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:17:56 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **MW-5** Sheet 1 of 1

Project: Kingsbridge Armory	Project No.: 170246501
Location: 29 West Kingsbridge Rd. The Bronx, NY	Elevation and Datum: 119.8 feet above msl
Drilling Company: Laurel Environmental Associates, Ltd.	Date Started: 5/21/13 / Date Finished: 5/21/13
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 8 ft / Rock Depth: 8 ft
Size and Type of Bit: 2" Macrocore	Number of Samples: Disturbed 2 / Undisturbed / Core
Casing Diameter (in): 2" / Casing Depth (ft): 5'	Water Level (ft.): First N/A / Completion / 24 HR.
Casing Hammer: Steel / Weight (lbs) / Drop (in)	Drilling Foreman: Kevin Kegel
Sampler: Acetate Liner	Inspecting Engineer: Paul McMahon
Sampler Hammer / Weight (lbs) / Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40
	+119.8			0					
	+119.5	4" Concrete Slab	0.0						
		0-7" - Concrete 7-25" - brown m-f sand with some silt and gravel; trace weathered rock and rock fragments; dry [FILL]	0.0	1					
			0.0	2	S-1	MACROCORE	25		
			0.0	3					
			0.0	4					
		0-8" - brown m-f sand with some silt and gravel; trace weathered rock and rock fragments; dry [FILL]	0.0	5					
	+113.8	8-23" - orange-brown m-f sand with trace gravel, silt, and decomposed rock; dry 23-24" - decomposed rock	0.0	6	S-2	MACROCORE	24		
	+111.8		0.0	7					
				8					
				9					
				10					
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

Remarks
(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)

0730 - Begin Drilling
0745 - Refusal Encountered at 8 ft bgs, groundwater not observed
Refusal encountered at 8 ft bgs at 9 locations between 4 and 40 ft North and West of original location
No well set. Take samples from original boring location.
1025 - Take Sample MW-5 (0-2)
VOC/SVOC/Metals/ Pesticides/PCBs

1035 - Take Sample MW-5 (6-8)
VOC/SVOC/Metals/PCBs

End of Boring @ 8 ft bgs - refusal at bedrock (~111 ft above msl)

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:17:59 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **MW-6** Sheet 1 of 1

Project: Kingsbridge Armory	Project No.: 170246501
Location: 29 West Kingsbridge Rd. The Bronx, NY	Elevation and Datum: 119.8 feet above msl
Drilling Company: Laurel Environmental Associates, Ltd.	Date Started: 5/20/13 — Date Finished: 5/20/13
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 15 ft — Rock Depth: N/A
Size and Type of Bit: 2" Macrocore	Number of Samples: Disturbed 2 — Undisturbed — Core
Casing Diameter (in): 2" — Casing Depth (ft): 5'	Water Level (ft.): First ▽ 10 — Completion ▼ — 24 HR. ▼
Casing Hammer: Steel — Weight (lbs) — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: Acetate Liner	Inspecting Engineer: Paul McMahon
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+119.8			0						
	+119.5	4" Concrete Slab								
		0-28" - dark brown m-c sand and gravel with some rock fragments; trace weathered rock, ash, brick; dry [FILL]	0.0	1	S-1	MACROCORE	28			1415 - Begin Drilling
			0.0	2						1500 - Take Sample MW-6 (0-2) VOC/SVOC/Metals/ Pesticides/PCBs
			0.0	3						
			0.0	4						
			0.0	5						
		0-18" - grey weathered rock and rock fragments with some brown f-m sand; dry [FILL]	0.0	6	S-2	MACROCORE	22			
			0.0	7						
	+111.8		0.0	8						
		18-22" - lt brown m-c sand with trace silt; moist	0.0	9						
		▽ 0-24" - brown m-f sand with trace silt; wet	0.0	10						1518 - Take Sample MW-6 (9-11) VOC/SVOC/Metals//PCBs
			0.0	11	S-3	MACROCORE	30			
			0.0	12						
			0.0	13						
	+105.8		0.0	14						
		24-30" - lt brown f-m silty sand								
	+104.8			15						End of Boring at 15 ft bgs
				16						
				17						
				18						
				19						
				20						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:18:01 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **MW-7** Sheet 1 of 1

Project: Kingsbridge Armory	Project No.: 170246501
Location: 29 West Kingsbridge Rd. The Bronx, NY	Elevation and Datum: 119.5 feet above msl
Drilling Company: Laurel Environmental Associates, Ltd.	Date Started: 5/20/13 — Date Finished: 5/20/13
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 15 ft — Rock Depth: N/A
Size and Type of Bit: 2" Macrocore	Number of Samples: Disturbed 2 — Undisturbed — Core
Casing Diameter (in): 2" — Casing Depth (ft): 5'	Water Level (ft.): First ▽ 9 — Completion ▼ — 24 HR. ▼
Casing Hammer: Steel — Weight (lbs) — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: Acetate Liner	Inspecting Engineer: Paul McMahon
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+119.5			0						
	+119.1	5" Concrete Slab								
		0-2" - pulverized concrete 2-12" - brown f-c sand with some gravel; trace rock fragments and ash; dry [FILL]	0.2	1	S-1	MACROCORE	12			1230 - Begin Drilling
			0.2	2						1325 - Take Sample MW-7 (1-5) VOC/SVOC/Metals/ Pesticides/PCBs
			0.2	3						
			0.2	4						
			0.2	5						
		0-6" - brown f-m sand with trace weathered rock; dry [FILL]	0.0							
	+113.5	6-18" - lt brown f-m sand with some silt; trace rock fragments; moist	0.2	6	S-2	MACROCORE	24			
			0.0	7						1335 - Take Sample MW-7 (7-9) VOC/SVOC/Metals/PCBs
		18-24" - lt brown f-c sand with some silt; saturated ▽	0.0	8						
			0.0	9						
	+109.5	0-18" - orange-brown m-c sand with trace gravel and silt; saturated	0.1	10	S-3	MACROCORE	30			
			0.0	11						
			0.1	12						
	+106.5	18-24" - lt brown sandy silt	0.1	13						
	+105.5	24-30" - lt brown silt	0.0	14						
	+104.5			15						End of Boring at 15 ft bgs
				16						
				17						
				18						
				19						
				20						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:18:04 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **MW-8** Sheet 1 of 1

Project: Kingsbridge Armory	Project No.: 170246501
Location: 29 West Kingsbridge Rd. The Bronx, NY	Elevation and Datum: 119.7 feet above msl
Drilling Company: Laurel Environmental Associates, Ltd.	Date Started: 5/20/13 — Date Finished: 5/20/13
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 15 ft — Rock Depth: N/A
Size and Type of Bit: 2" Macrocore	Number of Samples: Disturbed 2 — Undisturbed — Core
Casing Diameter (in): 2" — Casing Depth (ft): 5'	Water Level (ft.): First ▽ 9.5 — Completion — 24 HR.
Casing Hammer: Steel — Weight (lbs) — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: Acetate Liner	Inspecting Engineer: Paul McMahon
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+119.7			0						
	+119.3	5" Concrete Slab								
		0-28" - brown m-f sand with some gravel; trace weathered rock and rock fragments; dry [FILL]	0.0	1	S-1	MACROCORE	28			1330 - Begin Drilling
			0.2	2						1400 - Take Sample MW-8 (0.5-2.5) VOC/SVOC/Metals/ Pesticides/PCBs
			0.1	3						
			0.2	4						
			0.0	5						
		0-6" - m-c brown sand with some gravel and brick; dry [FILL]	0.0	6	S-2	MACROCORE	24			
	+113.7	6-24" - greyish brown f-m sand with trace silt; moist (saturated at 22")	0.0	7						
			0.0	8						1420 - Take Sample MW-8 (7.5-9.5) VOC/SVOC/Metals/PCBs
		▽	0.0	9						
	+109.7	0-6" - dk brown silty sand; wet	0.0	10	S-3	MACROCORE	34			
		6-14" - dk brown sandy silt; wet	0.0	11						
		14-24" - brown m-f sand with some silt; wet	0.0	12						
			0.0	13						
	+106.2	24-34" - reddish brown m-c sand; wet	0.0	14						
			0.0	15						End of Boring at 15 ft bgs
	+104.7			16						
				17						
				18						
				19						
				20						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:18:07 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

LANGAN

Log of Boring **MW-9** Sheet 1 of 1

Project: Kingsbridge Armory	Project No.: 170246501
Location: 29 West Kingsbridge Rd. The Bronx, NY	Elevation and Datum: 117.8 feet above msl
Drilling Company: Laurel Environmental Associates, Ltd.	Date Started: 5/20/13 — Date Finished: 5/20/13
Drilling Equipment: Geoprobe 7822DT	Completion Depth: 15 ft — Rock Depth: N/A
Size and Type of Bit: 2" Macrocore	Number of Samples: Disturbed 2 — Undisturbed — Core
Casing Diameter (in): 2" — Casing Depth (ft): 5'	Water Level (ft.): First ▽ 9 — Completion ▼ — 24 HR. ▼
Casing Hammer: Steel — Weight (lbs) — Drop (in)	Drilling Foreman: Steve Bitetto
Sampler: Acetate Liner	Inspecting Engineer: Paul McMahon
Sampler Hammer — Weight (lbs) — Drop (in)	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+117.8			0						
	+117.5	4" Concrete Slab								
		0-22" - brown f-m sand with some gravel; trace rock fragments; dry [FILL]	0.0	1						1445 - Start Drilling
			0.0	2	S-1	MACROCORE	22			1535 - Take Sample MW-9 (0-2) VOC/SVOC/Metals/ Pesticides/PCBs
			0.0	3						
			0.0	4						
		0-17" - brown silty m-f sand with some gravel, weathered rock, pulverized concrete; dry [FILL]	0.0	5						
			0.0	6						1545 - Take Sample MW-9 (6-8) VOC/SVOC/Metals/PCBs
			0.0	7	S-2	MACROCORE	27			
	+109.8	17-27" - brown silt with some m-f sand; wet ▽	0.0	8						
			0.0	9						
		0-4" - brown silt with some m-f sand; wet	0.0	10						
	+106.8	4-10" - dk gray silt; soft; organic odor	0.0	11						
	+105.8	10-26" - lt brown and gray coarse sand with trace rock fragments; wet	0.0	12	S-3	MACROCORE	26			
			0.0	13						
			0.0	14						
	+102.8		0.0	15						End of Boring at 15 ft bgs
				16						
				17						
				18						
				19						
				20						

\\LANGAN.COM\DATA\NY\DATA5\170246501\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\PHASE II SESI - KNIC.GPJ ... 6/4/2013 4:18:10 PM ... Report: Log - LANGAN ...Template TEMPLATE.GDT

APPENDIX B

WELL CONSTRUCTION SUMMARY

Well No. **MW-6**

PROJECT Kingsbridge National Ice Center	**PROJECT NO.** 170246501
LOCATION New York, NY	**ELEVATION AND DATUM** 121.1 ft above msl Top of Casing
DRILLING AGENCY Laurel Environmental Associates, Ltd.	**DATE STARTED** 5/21/2013 **DATE FINISHED** 5/21/2013
DRILLING EQUIPMENT Geoprobe 6610DT	**DRILLER** Steve Bitetto
SIZE AND TYPE OF BIT 2" Steel	**INSPECTOR** Paul McMahon

METHOD OF INSTALLATION

2" steel casing was used to advance the boring to 15 feet. A 10-foot long 1-inch diameter Schedule 40 PVC screen was set from a depth of approximately 3.6 to 13.6 feet. The annulus was filled with #1 morie filter sand to a depth of approximately 1 foot.

METHOD OF WELL DEVELOPMENT

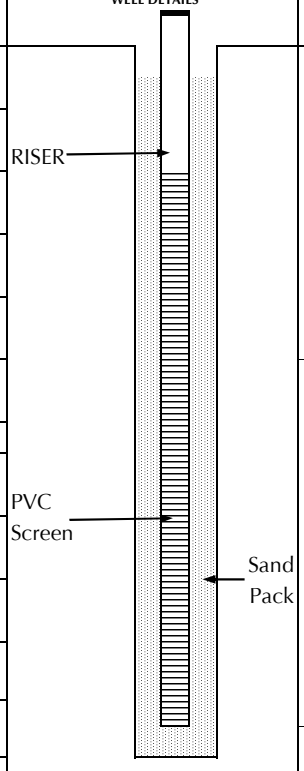
The well was purged with a peristaltic pump until the total purge volume was greater than 3 well volumes and NTU<50.

TYPE OF CASING PVC	**DIAMETER** 1-inch	**TYPE OF BACKFILL MATERIAL** N/A	
TYPE OF SCREEN PVC	**DIAMETER** 1-inch	**TYPE OF SEAL MATERIAL** N/A	
BOREHOLE DIAMETER 2.5"		**TYPE OF FILTER MATERIAL** # 1 Sand	

TOP OF CASING	**ELEVATION** 121.10	**DEPTH (ft)** -1.30
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** N/A
TOP OF FILTER	**ELEVATION** 118.80	**DEPTH (ft)** 1.00
TOP OF SCREEN	**ELEVATION** 116.20	**DEPTH (ft)** 3.60
BOTTOM OF WELL	**ELEVATION** 106.20	**DEPTH (ft)** 13.60
SCREEN LENGTH	10 ft	
SLOT SIZE	0.02 in	

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
109.40	5/22/13	10.40



SUMMARY SOIL CLASSIFICATION	DEPTH (FT) bgs
	1.0
Fill	3.6
Sand with trace Silt	8.0
	13.6

LANGAN Engineering and Environmental Services, Inc.

WELL CONSTRUCTION SUMMARY
Well No. MW-7

PROJECT	PROJECT NO.
Kingsbridge National Ice Center	170246501
LOCATION	ELEVATION AND DATUM
New York, NY	121.0 ft above msl Top of Casing
DRILLING AGENCY	DATE STARTED / DATE FINISHED
Laurel Environmental Associates, Ltd.	5/21/2013 / 5/21/2013
DRILLING EQUIPMENT	DRILLER
Geoprobe 6610DT	Steve Bitetto
SIZE AND TYPE OF BIT	INSPECTOR
2" Steel	Paul McMahon

METHOD OF INSTALLATION

2" steel casing was used to advance the boring to 15 feet. A 10-foot long 1-inch diameter Schedule 40 PVC screen was set from a depth of approximately 3.7 to 13.7 feet. The annulus was filled with #1 morie filter sand to a depth of approximately 1 foot.

METHOD OF WELL DEVELOPMENT

The well was purged with a peristaltic pump until the total purge volume was greater than 3 well volumes and NTU<50.

TYPE OF CASING	DIAMETER	TYPE OF BACKFILL MATERIAL
PVC	1-inch	N/A
TYPE OF SCREEN	DIAMETER	TYPE OF SEAL MATERIAL
PVC	1-inch	N/A
BOREHOLE DIAMETER		TYPE OF FILTER MATERIAL
2.5"		# 1 Sand

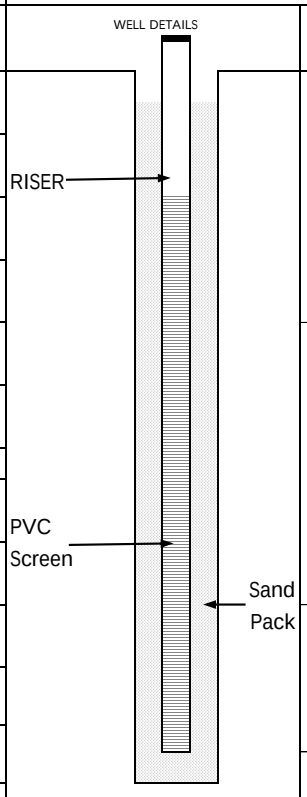
	ELEVATION	DEPTH (ft)
TOP OF CASING	121.00	-1.20
TOP OF SEAL		N/A
TOP OF FILTER	118.80	1.00
TOP OF SCREEN	116.10	3.70
BOTTOM OF WELL	106.10	13.70

SCREEN LENGTH: 10 ft

SLOT SIZE: 0.02 in

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
110.40	5/22/13	9.40



SUMMARY SOIL CLASSIFICATION	DEPTH (FT) bgs
	1.0
Fill	3.7
	6.0
Sand	
	12.0
Sandy Silt	
	13.7

LANGAN Engineering and Environmental Services, Inc.

WELL CONSTRUCTION SUMMARY

Well No. **MW-8**

PROJECT Kingsbridge National Ice Center	**PROJECT NO.** 170246501
LOCATION New York, NY	**ELEVATION AND DATUM** 120.7 ft above msl Top of Casing
DRILLING AGENCY Laurel Environmental Associates, Ltd.	**DATE STARTED** 5/21/2013 **DATE FINISHED** 5/21/2013
DRILLING EQUIPMENT Geoprobe 6610DT	**DRILLER** Steve Bitetto
SIZE AND TYPE OF BIT 2" Steel	**INSPECTOR** Paul McMahon

METHOD OF INSTALLATION

2" steel casing was used to advance the boring to 15 feet. A 10-foot long 1-inch diameter Schedule 40 PVC screen was set from a depth of approximately 3.8 to 13.8 feet. The annulus was filled with #1 morie filter sand to a depth of approximately 1 foot.

METHOD OF WELL DEVELOPMENT

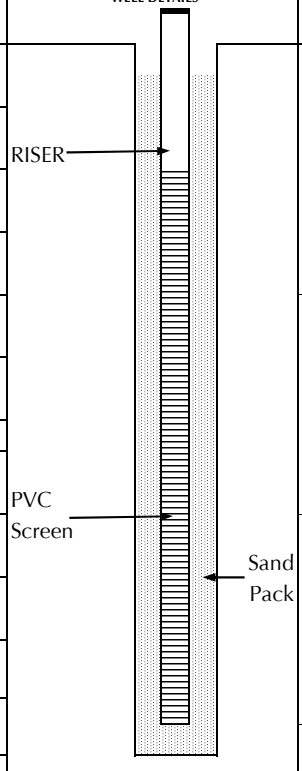
The well was purged with a peristaltic pump until the total purge volume was greater than 3 well volumes and NTU<50.

TYPE OF CASING PVC	**DIAMETER** 1-inch	**TYPE OF BACKFILL MATERIAL** N/A	
TYPE OF SCREEN PVC	**DIAMETER** 1-inch	**TYPE OF SEAL MATERIAL** N/A	
BOREHOLE DIAMETER 2.5"		**TYPE OF FILTER MATERIAL** # 1 Sand	

TOP OF CASING	**ELEVATION** 120.70	**DEPTH (ft)** -1.00
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** N/A
TOP OF FILTER	**ELEVATION** 118.70	**DEPTH (ft)** 1.00
TOP OF SCREEN	**ELEVATION** 115.90	**DEPTH (ft)** 3.80
BOTTOM OF WELL	**ELEVATION** 105.90	**DEPTH (ft)** 13.80
SCREEN LENGTH	10 ft	
SLOT SIZE	0.02 in	

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
109.30	5/22/13	10.40



SUMMARY SOIL CLASSIFICATION	DEPTH (FT) bgs
	1.0
Fill	3.8
Sand	6.0
Sand and Silt	10.0
	13.8

LANGAN Engineering and Environmental Services, Inc.

WELL CONSTRUCTION SUMMARY

Well No. **MW-9**

PROJECT Kingsbridge National Ice Center	**PROJECT NO.** 170246501
LOCATION New York, NY	**ELEVATION AND DATUM** 118.9 ft above msl Top of Casing
DRILLING AGENCY Laurel Environmental Associates, Ltd.	**DATE STARTED** 5/21/2013 **DATE FINISHED** 5/21/2013
DRILLING EQUIPMENT Geoprobe 6610DT	**DRILLER** Steve Bitetto
SIZE AND TYPE OF BIT 2" Steel	**INSPECTOR** Paul McMahon

METHOD OF INSTALLATION

2" steel casing was used to advance the boring to 15 feet. A 10-foot long 1-inch diameter Schedule 40 PVC screen was set from a depth of approximately 3.7 to 13.7 feet. The annulus was filled with #1 morie filter sand to a depth of approximately 1 foot.

METHOD OF WELL DEVELOPMENT

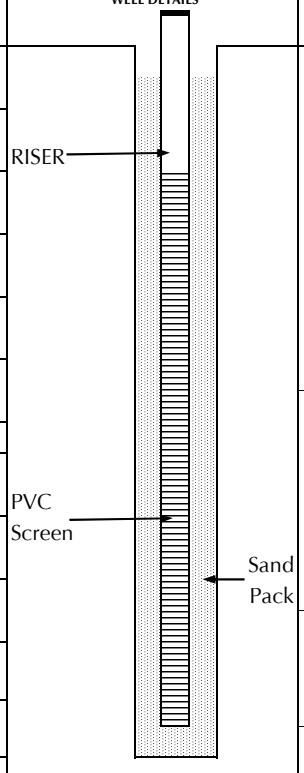
The well was purged with a peristaltic pump until the total purge volume was greater than 3 well volumes and NTU<50.

TYPE OF CASING PVC	**DIAMETER** 1-inch	**TYPE OF BACKFILL MATERIAL** N/A	
TYPE OF SCREEN PVC	**DIAMETER** 1-inch	**TYPE OF SEAL MATERIAL** N/A	
BOREHOLE DIAMETER 2.5"		**TYPE OF FILTER MATERIAL** # 1 Sand	

TOP OF CASING	**ELEVATION** 118.90	**DEPTH (ft)** -1.10
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** N/A
TOP OF FILTER	**ELEVATION** 116.80	**DEPTH (ft)** 1.00
TOP OF SCREEN	**ELEVATION** 114.40	**DEPTH (ft)** 3.40
BOTTOM OF WELL	**ELEVATION** 104.40	**DEPTH (ft)** 13.40
SCREEN LENGTH	10 ft	
SLOT SIZE	0.02 in	

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
108.70	5/22/13	9.10



SUMMARY SOIL CLASSIFICATION	DEPTH (FT) bgs
	1.0
Fill	3.4
Silt	8.0
Coarse Sand	12.0
	13.4

LANGAN Engineering and Environmental Services, Inc.

WELL CONSTRUCTION SUMMARY

Well No. **MW-10**

PROJECT Kingsbridge National Ice Center	**PROJECT NO.** 170246501
LOCATION New York, NY	**ELEVATION AND DATUM** 140.1 ft above msl Top of Casing
DRILLING AGENCY Laurel Environmental Associates, Ltd.	**DATE STARTED** 5/21/2013 **DATE FINISHED** 5/21/2013
DRILLING EQUIPMENT Geoprobe 7822DT	**DRILLER** Kevin Kegel
SIZE AND TYPE OF BIT 2" Steel	**INSPECTOR** Paul McMahon

METHOD OF INSTALLATION

2" steel casing was used to advance the boring to 35 feet. A 10-foot long 1-inch diameter Schedule 40 PVC screen was set from a depth of approximately 24.2 to 34.2 feet. The annulus was filled with #1 morie filter sand to a depth of approximately 21 feet.

METHOD OF WELL DEVELOPMENT

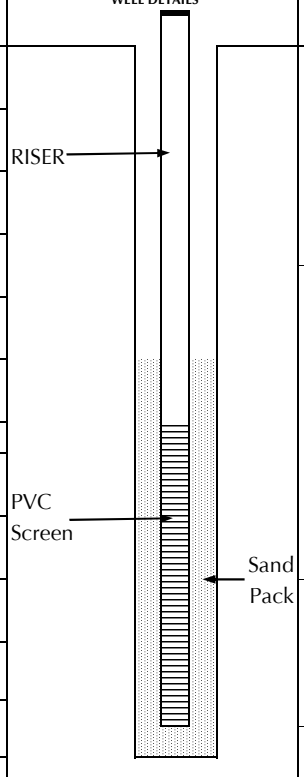
The well was purged using a combination of weighted bailor and peristaltic pump. 4 Liters were purged using a weighted bailor. The well was subsequently purged with a peristaltic pump until NTU<50.

TYPE OF CASING PVC	**DIAMETER** 1-inch	**TYPE OF BACKFILL MATERIAL** N/A	
TYPE OF SCREEN PVC	**DIAMETER** 1-inch	**TYPE OF SEAL MATERIAL** N/A	
BOREHOLE DIAMETER 2.5"		**TYPE OF FILTER MATERIAL** # 1 Sand	

TOP OF CASING	**ELEVATION** 140.10	**DEPTH (ft)** -1.00
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** N/A
TOP OF FILTER	**ELEVATION** 118.10	**DEPTH (ft)** 21.00
TOP OF SCREEN	**ELEVATION** 114.90	**DEPTH (ft)** 24.20
BOTTOM OF WELL	**ELEVATION** 104.90	**DEPTH (ft)** 34.20
SCREEN LENGTH	10 ft	
SLOT SIZE	0.02 in	

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
110.60	5/22/13	28.50



SUMMARY SOIL CLASSIFICATION	DEPTH (FT) bgs
Fill	
	18.0
Fine Sand, Some Silt	21.0
	24.2
	30.0
Coarse Sand	
	34.2

LANGAN Engineering and Environmental Services, Inc.

APPENDIX C

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 29 West Kingsbridge Road	**Well#/Location:** MW-3	**Job No.:** 170246501
Date: 05/23/2013	**Weather:** 60's, Rain, Cloudy	**Sampling Personnel:** A. Rosenblatt

Well Information

Sample ID	MW-3 (052313)
Well Depth (ft)	12
Screened Interval (ft)	2-12
Casing Elevation (ft msl)	115.2
Casing Diameter (in)	1
Depth to Water (ft)	3.0
Water Elevation (ft msl)	112.2
Casing Volume (gal)	1.47
PID Reading (ppm)	0.0

Purging Information

Purging Method	Peristaltic Pump
Purging Rate (mL/min)	210
Start Purge Time	11:15
End Purge Time	12:20
Approx. Vol. Purged (gal)	2.1

Sampling Information

Sampling Method	Peristaltic Pump
Start Sampling Time	12:20
End Sampling Time	12:50
Depth Before Sampling (ft)	N/A
Number Bottles Collected	7

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
11:15	6.99	0.004	174	12.10	15.07	113		0.4
11:20	7.01	0.006	171	10.34	14.97	125		
11:25	7.05	0.006	172	9.97	14.91	124		
11:30	7.09	0.006	174	9.77	14.87	131		0.8
11:32	Pump Off - allow recharge							
11:45	Pump On							
11:45	7.09	0.003	174	9.65	14.83	119		
11:50	7.27	0.007	176	9.94	14.72	74		1.2
11:51	Pump Off - allow recharge							
12:00	Pump On							
12:00	7.33	0.007	178	10.08	14.67	85		
12:05	7.33	0.007	177	9.84	14.67	54		1.6
12:10	7.37	0.007	177	10.15		57		
12:11	Pump Off - allow recharge							
12:15	7.37	0.011	178	10.25	14.53	61		2.1
12:20	Take Sample							

Notes/Remarks

Effluent water was observed to be clear and parameters were stablized, therefore the sample was taken despite turbidity >50 NTU.

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 29 West Kingsbridge Road	**Well#/Location:** MW-6	**Job No.:** 170246501
Date: 05/23/2013	**Weather:** 60's, Rain, Cloudy	**Sampling Personnel:** P. McMahon

Well Information

Sample ID	MW-6 (052313)
Well Depth (ft)	14.9
Screened Interval (ft)	4.9-14.9
Casing Elevation (ft msl)	121.1
Casing Diameter (in)	1
Depth to Water (ft)	11.7
Water Elevation (ft msl)	109.4
Casing Volume (gal)	0.52
PID Reading (ppm)	0.0

Purging Information

Purging Method	Peristaltic Pump
Purging Rate (mL/min)	200
Start Purge Time	7:45
End Purge Time	9:45
Approx. Vol. Purged (gal)	1.32

Sampling Information

Sampling Method	Peristaltic Pump
Start Sampling Time	9:50
End Sampling Time	10:50
Depth Before Sampling (ft)	N/A
Number Bottles Collected	7

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
7:45	Pump On - Begin Purging							
8:00	Pump Off							0.53
8:07	Pump On							
8:16	7.72	0.431	135	6.44	14.21	79		
8:21	7.43	0.415	98	7.21	14.16	77		1.06
8:26	Pump On							
9:33	7.36	0.004	171	10.67	13.16	36		
9:35	Pump Off - allow recharge							1.2
9:43	Pump On							
9:45	7.37	0.022	170	9.34	13.47	31		1.32

Notes/Remarks

Effluent water was observed to be clear and parameters were stablized, therefore the sample was taken despite turbidity >50 NTU.

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 29 West Kingsbridge Road	**Well#/Location:** MW-7	**Job No.:** 170246501
Date: 05/23/2013	**Weather:** 60's, Rain, Cloudy	**Sampling Personnel:** A. Rosenblatt

Well Information

Sample ID	MW-7 (052313)
Well Depth (ft)	13.7
Screened Interval (ft)	3.7-13.7
Casing Elevation (ft msl)	121.0
Casing Diameter (in)	1
Depth to Water (ft)	9.4
Water Elevation (ft msl)	111.6
Casing Volume (gal)	0.70
PID Reading (ppm)	0.0

Purging Information

Purging Method	Peristaltic Pump
Purging Rate (mL/min)	305
Start Purge Time	13:07
End Purge Time	13:30
Approx. Vol. Purged (gal)	2.2

Sampling Information

Sampling Method	Peristaltic Pump
Start Sampling Time	13:30
End Sampling Time	13:50
Depth Before Sampling (ft)	N/A
Number Bottles Collected	14

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
13:03	Begin Purging							
13:07	7.72	0.015	183	11.55	14.55	-6		0.26
13:13	7.62	0.014	174	10.24	14.5	-15		
13:18	7.56	0.014	174	9.93	14.44	-4		1.2
13:25	7.52	0.007	178	9.64	14	-11.00		
13:30	Take Samples							2.2

Notes/Remarks

Effluent water was observed to be clear and parameters were stablized, therefore the sample was taken despite turbidity >50 NTU.

DUP-1 (052313) taken

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 29 West Kingsbridge Road	**Well#/Location:** MW-8	**Job No.:** 170246501
Date: 05/23/2013	**Weather:** 60's, Rain, Cloudy	**Sampling Personnel:** A. Rosenblatt

Well Information

Sample ID	MW-8 (052313)
Well Depth (ft)	13.8
Screened Interval (ft)	3.8-13.8
Casing Elevation (ft msl)	120.7
Casing Diameter (in)	1
Depth to Water (ft)	10.4
Water Elevation (ft msl)	110.3
Casing Volume (gal)	0.55
PID Reading (ppm)	0.0

Purging Information

Purging Method	Peristaltic Pump
Purging Rate (mL/min)	250
Start Purge Time	14:00
End Purge Time	14:32
Approx. Vol. Purged (gal)	1.7

Sampling Information

Sampling Method	Peristaltic Pump
Start Sampling Time	14:32
End Sampling Time	14:45
Depth Before Sampling (ft)	N/A
Number Bottles Collected	7

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
14:00	Begin Purging							
14:11	7.39	0.011	182	9.92	14.74	24		0.3
14:16	7.39	0.011	177	9.25	14.68	12		0.8
14:21	7.38	0.011	177	9.04	14.65	16		1.05
14:26	7.38	0.010	176	8.88	15	20.00		1.3
14:32	Take Samples							1.7

Notes/Remarks

Effluent water was observed to be clear and parameters were stablized, therefore the sample was taken despite turbidity >50 NTU.

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 29 West Kingsbridge Road	**Well#/Location:** MW-9	**Job No.:** 170246501
Date: 05/23/2013	**Weather:** 60's, Rain, Cloudy	**Sampling Personnel:** P. McMahon

Well Information

Sample ID	MW-9 (052313)
Well Depth (ft)	13.4
Screened Interval (ft)	3.4-13.4
Casing Elevation (ft msl)	118.9
Casing Diameter (in)	1
Depth to Water (ft)	9.1
Water Elevation (ft msl)	109.8
Casing Volume (gal)	0.70
PID Reading (ppm)	0.0

Purging Information

Purging Method	Peristaltic Pump
Purging Rate (mL/min)	270
Start Purge Time	8:29
End Purge Time	8:55
Approx. Vol. Purged (gal)	1.85

Sampling Information

Sampling Method	Peristaltic Pump
Start Sampling Time	8:55
End Sampling Time	9:05
Depth Before Sampling (ft)	N/A
Number Bottles Collected	7

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
8:29	Begin Purging							
8:37	7.57	1.13	270	4.02	12.79	-13		
8:42	7.65	1.11	41.0	3.06	12.10	-51		0.7
8:47	7.63	1.11	10.4	2.27	12.04	-43		1.2
8:52	7.62	1.11	9.5	2.13	12.00	-33		1.6
8:55	Take Sample							1.85
9:03	7.58	1.11	0.5	1.99	11.9	-17		2.4

Notes/Remarks

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 29 West Kingsbridge Road	**Well#/Location:** MW-10	**Job No.:** 170246501
Date: 05/23/2013	**Weather:** 60's, Rain, Cloudy	**Sampling Personnel:** P. McMahon

Well Information

Sample ID	MW-10 (052313)
Well Depth (ft)	34.2
Screened Interval (ft)	24.2-34.2
Casing Elevation (ft msl)	140.1
Casing Diameter (in)	1
Depth to Water (ft)	29.5
Water Elevation (ft msl)	110.6
Casing Volume (gal)	0.77
PID Reading (ppm)	0.0

Purging Information

Purging Method	Weighted Bailer/ Peristaltic Pump
Purging Rate (mL/min)	250
Start Purge Time	15:55
End Purge Time	16:25
Approx. Vol. Purged (gal)	3.4

Sampling Information

Sampling Method	Peristaltic Pump
Start Sampling Time	16:25
End Sampling Time	16:40
Depth Before Sampling (ft)	N/A
Number Bottles Collected	7

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
15;55	Begin Purging						29.50	1.37
15:59	6.76	2.61	83.5	3.15	17.17	65		1.63
16:01	6.81	2.62	27.1	2.45	16.87	49		
16:25	6.86	2.63	0.0	1.83	16.65	29		3.36
16:25	Take Sample							

Notes/Remarks

Approximately 5.4 Liters purged with weighted bailer before switching to peristaltic pump.

Heavy rain during sampling

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 29 West Kingsbridge Road	**Well#/Location:** TRC-MW-3	**Job No.:** 170246501
Date: 05/24/2013	**Weather:** 60's, Cloudy	**Sampling Personnel:** P. McMahon

Well Information

Sample ID	TRC-MW-3 (052413)
Well Depth (ft)	38.1
Screened Interval (ft)	N/A
Casing Elevation (ft msl)	139.26
Casing Diameter (in)	2
Depth to Water (ft)	27.2
Water Elevation (ft msl)	112.06
Casing Volume (gal)	1.78
PID Reading (ppm)	0.0

Purging Information

Purging Method	Peristaltic Pump
Purging Rate (mL/min)	315
Start Purge Time	8:16
End Purge Time	14:26
Approx. Vol. Purged (gal)	10

Sampling Information

Sampling Method	Peristaltic Pump
Start Sampling Time	10:20
End Sampling Time	10:30
Depth Before Sampling (ft)	27.80
Number Bottles Collected	7

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (◦C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
8:16	Pump On							
9:16	Continue Purging							5
10:05								9
10:08	6.98	2.51	0.0	3.56	16.99	115	27.60	
10:13	6.97	2.55	0.0	2.84	16.75	112	27.80	
10:18	6.98	2.53	0.0	2.73	16.58	107	27.80	10
10:20	Start Sample							
10:30	End Sample							

Notes/Remarks

APPENDIX D

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-1

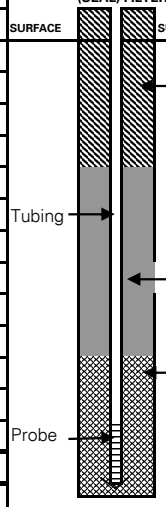
PROJECT: Kingsbridge National Ice Center	**PROJECT NO.:** 170246501
LOCATION: The Bronx, NY	**SURFACE ELEVATION AND DATUM:** 119.8 ft above mean sea level
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates, Ltd.	**INSTALLATION DATE STARTED:** 5/20/2013 **DATE FINISHED:** 5/20/2013
INSTALLATION FOREMAN: Steve Bitetto	**SAMPLE DATE STARTED:** 5/20/2013 **DATE FINISHED:** 5/20/2013
INSTALLATION EQUIPMENT: Hilti Hammer Drill with 3/4" x 24" bit	**TYPE OF SAMPLING DEVICE:** 6-L Summa Canister with 2-hour Flow Regulator
INSPECTOR: Paul McMahon	**SAMPLER:** Paul McMahon
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** @ INSTALLATION: Mostly Cloudy, 60's, Wind: SW @ SAMPLING: Mostly Cloudy, 60's, Wind: SW

METHOD OF INSTALLATION AND PURGING:
Install soil vapor point with a Hilti hammer drill.
Purge with a PID for 5 min at at flow rate of 500 ml/min.
Sample Type = Integrated 2-hour sample; soil vapor sample.

TUBING TYPE/DIAMETER: Poly (1/2" OD; 3/8 " ID)	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: Poly (1/2" OD; 3/8 " ID)	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 3/4"	**FILTER PACK MATERIAL (Sand or Glass Beads):** #2 Morie Sand

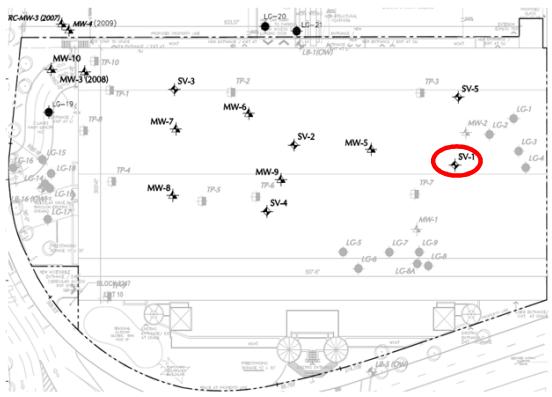
PURGE VOLUME (L):	2.50
PURGE FLOW RATE (ML/MIN):	500
PID AFTER PURGE (PPM):	3.1
HELIUM TEST IN BUCKET(%):	35.1%
HELIUM TEST IN TUBE (PPM):	300
SAMPLE START DATE/TIME:	5/20/2013 11:08
SAMPLE STOP DATE/TIME:	5/20/2013 13:07
TOTAL SAMPLE TIME (MIN):	119
FLOW RATE (L/MIN):	N/A
VOLUME OF SAMPLE (LITERS):	6
PID AFTER SAMPLE (PPM):	7.5
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	01025
REGULATOR SERIAL NUMBER:	05236
CAN START VACUUM PRESS. (" HG):	-32
CAN STOP VACUUM PRESS. (" HG):	-8

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (FROM SURFACE)	NOTES
TOP OF SLAB	
4"	
12"	

SAMPLE LOCATION SKETCH



NOTES

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

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-2

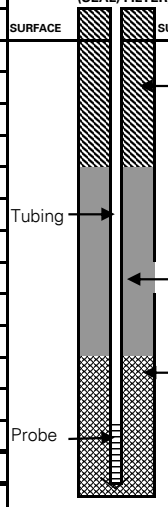
PROJECT: Kingsbridge National Ice Center	**PROJECT NO.:** 170246501
LOCATION: The Bronx, NY	**SURFACE ELEVATION AND DATUM:** 119.8 ft above mean sea level
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates, Ltd.	**INSTALLATION DATE STARTED:** 5/20/2013 **DATE FINISHED:** 5/20/2013
INSTALLATION FOREMAN: Steve Bitetto	**SAMPLE DATE STARTED:** 5/20/2013 **DATE FINISHED:** 5/20/2013
INSTALLATION EQUIPMENT: Hilti Hammer Drill with 3/4" x 24" bit	**TYPE OF SAMPLING DEVICE:** 6-L Summa Canister with 2-hour Flow Regulator
INSPECTOR: Paul McMahon	**SAMPLER:** Paul McMahon
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** @ INSTALLATION: Mostly Cloudy, 60's, Wind: SW @ SAMPLING: Mostly Cloudy, 60's, Wind: SW

METHOD OF INSTALLATION AND PURGING:
Install soil vapor point with a
Purge with a PID for 5 min at at flow rate of 500 ml/min.
Sample Type = Integrated 2-hour sample; soil vapor sample.

TUBING TYPE/DIAMETER: Poly (1/2" OD; 3/8 " ID)	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: Poly (1/2" OD; 3/8 " ID)	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 3/4"	**FILTER PACK MATERIAL (Sand or Glass Beads):** #2 Morie Sand

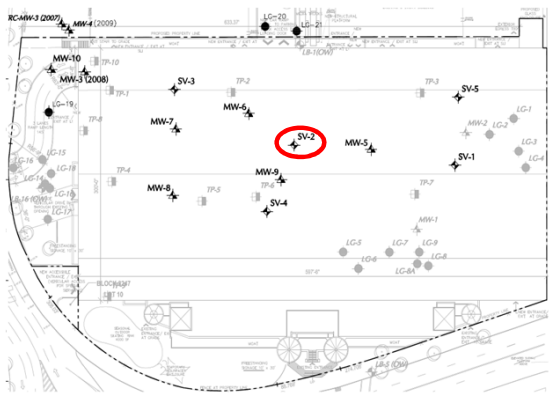
PURGE VOLUME (L):	2.50
PURGE FLOW RATE (ML/MIN):	500
PID AFTER PURGE (PPM):	1.4
HELIUM TEST IN BUCKET(%):	39.4%
HELIUM TEST IN TUBE (PPM):	175
SAMPLE START DATE/TIME:	5/20/2013 10:19
SAMPLE STOP DATE/TIME:	5/20/2013 12:23
TOTAL SAMPLE TIME (MIN):	124
FLOW RATE (L/MIN):	N/A
VOLUME OF SAMPLE (LITERS):	6
PID AFTER SAMPLE (PPM):	6.4
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	York S04
REGULATOR SERIAL NUMBER:	05232
CAN START VACUUM PRESS. (" HG):	-29
CAN STOP VACUUM PRESS. (" HG):	-5

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (FROM SURFACE)	NOTES
TOP OF SLAB	
4"	
12"	

SAMPLE LOCATION SKETCH



NOTES

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

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-3

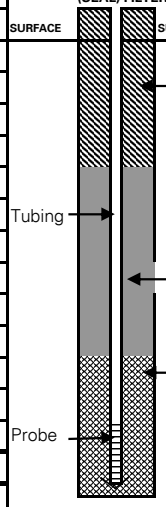
PROJECT: Kingsbridge National Ice Center	**PROJECT NO.:** 170246501
LOCATION: The Bronx, NY	**SURFACE ELEVATION AND DATUM:** 119.9 ft above mean sea level
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates, Ltd.	**INSTALLATION DATE STARTED:** 5/20/2013 **DATE FINISHED:** 5/20/2013
INSTALLATION FOREMAN: Steve Bitetto	**SAMPLE DATE STARTED:** 5/20/2013 **DATE FINISHED:** 5/20/2013
INSTALLATION EQUIPMENT: Hilti Hammer Drill with 3/4" x 24" bit	**TYPE OF SAMPLING DEVICE:** 6-L Summa Canister with 2-hour Flow Regulator
INSPECTOR: Paul McMahon	**SAMPLER:** Paul McMahon
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** @ INSTALLATION: Mostly Cloudy, 60's, Wind: SW @ SAMPLING: Mostly Cloudy, 60's, Wind: SW

METHOD OF INSTALLATION AND PURGING:
Install soil vapor point with a
Purge with a PID for 5 min at at flow rate of 500 ml/min.
Sample Type = Integrated 2-hour sample; soil vapor sample.

TUBING TYPE/DIAMETER: Poly (1/2" OD; 3/8 " ID)	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: Poly (1/2" OD; 3/8 " ID)	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 3/4"	**FILTER PACK MATERIAL (Sand or Glass Beads):** #2 Morie Sand

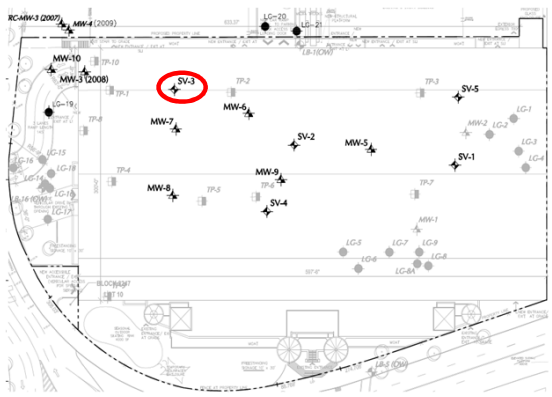
PURGE VOLUME (L):	2.50
PURGE FLOW RATE (ML/MIN):	500
PID AFTER PURGE (PPM):	1.2
HELIUM TEST IN BUCKET(%):	9.8%
HELIUM TEST IN TUBE (PPM):	1000
SAMPLE START DATE/TIME:	5/20/2013 13:04
SAMPLE STOP DATE/TIME:	5/20/2013 15:06
TOTAL SAMPLE TIME (MIN):	122
FLOW RATE (L/MIN):	N/A
VOLUME OF SAMPLE (LITERS):	6
PID AFTER SAMPLE (PPM):	
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	01047
REGULATOR SERIAL NUMBER:	02905
CAN START VACUUM PRESS. (" HG):	-29.5
CAN STOP VACUUM PRESS. (" HG):	-7

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (FROM SURFACE)	NOTES
TOP OF SLAB	
6"	
12"	

SAMPLE LOCATION SKETCH



NOTES

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

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-4

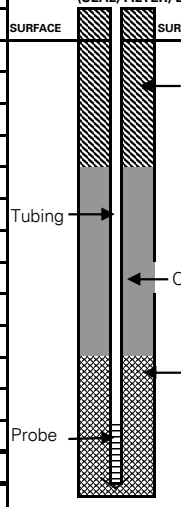
PROJECT: Kingsbridge National Ice Center	**PROJECT NO.:** 170246501
LOCATION: The Bronx, NY	**SURFACE ELEVATION AND DATUM:** 119.8 ft above mean sea level
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates, Ltd.	**INSTALLATION DATE STARTED:** 5/20/2013 **DATE FINISHED:** 5/20/2013
INSTALLATION FOREMAN: Steve Bitetto	**SAMPLE DATE STARTED:** 5/20/2013 **DATE FINISHED:** 5/20/2013
INSTALLATION EQUIPMENT: Hilti Hammer Drill with 3/4" x 24" bit	**TYPE OF SAMPLING DEVICE:** 6-L Summa Canister with 2-hour Flow Regulator
INSPECTOR: Paul McMahon	**SAMPLER:** Paul McMahon
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** @ INSTALLATION: Mostly Cloudy, 60's, Wind: SW @ SAMPLING: Mostly Cloudy, 60's, Wind: SW

METHOD OF INSTALLATION AND PURGING:
Install soil vapor point with a
Purge with a PID for 5 min at at flow rate of 500 ml/min.
Sample Type = Integrated 2-hour sample; soil vapor sample.

TUBING TYPE/DIAMETER: Poly (1/2" OD; 3/8 " ID)	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: Poly (1/2" OD; 3/8 " ID)	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 3/4"	**FILTER PACK MATERIAL (Sand or Glass Beads):** #2 Morie Sand

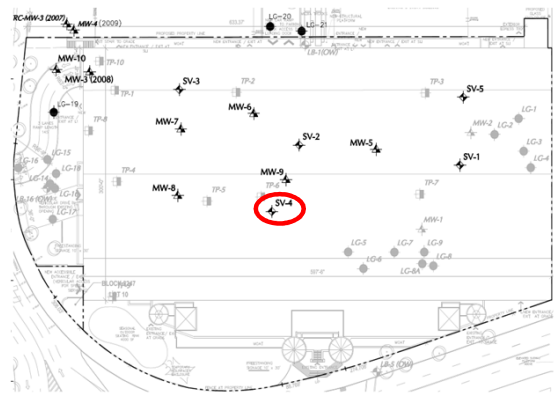
PURGE VOLUME (L):	2.50
PURGE FLOW RATE (ML/MIN):	500
PID AFTER PURGE (PPM):	1.6
HELIUM TEST IN BUCKET(%):	35.1%
HELIUM TEST IN TUBE (PPM):	0
SAMPLE START DATE/TIME:	5/20/2013 9:57
SAMPLE STOP DATE/TIME:	5/20/2013 12:06
TOTAL SAMPLE TIME (MIN):	129
FLOW RATE (L/MIN):	N/A
VOLUME OF SAMPLE (LITERS):	6
PID AFTER SAMPLE (PPM):	4.8
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	P-01
REGULATOR SERIAL NUMBER:	02244
CAN START VACUUM PRESS. (" HG):	-32
CAN STOP VACUUM PRESS. (" HG):	-5

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (FROM SURFACE)	NOTES
TOP OF SLAB	
6"	
12"	

SAMPLE LOCATION SKETCH



NOTES

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

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV-5

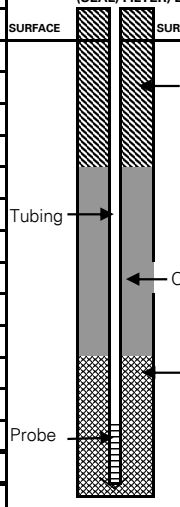
PROJECT: Kingsbridge National Ice Center	**PROJECT NO.:** 170246501
LOCATION: The Bronx, NY	**SURFACE ELEVATION AND DATUM:** 119.8 ft above mean sea level
DRILLING FIRM OR LANGAN INSTALLER: Laurel Environmental Associates, Ltd.	**INSTALLATION DATE STARTED:** 5/20/2013 **DATE FINISHED:** 5/20/2013
INSTALLATION FOREMAN: Steve Bitetto	**SAMPLE DATE STARTED:** 5/20/2013 **DATE FINISHED:** 5/20/2013
INSTALLATION EQUIPMENT: Hilti Hammer Drill with 3/4" x 24" bit	**TYPE OF SAMPLING DEVICE:** 6-L Summa Canister with 2-hour Flow Regulator
INSPECTOR: Paul McMahon	**SAMPLER:** Paul McMahon
POTENTIAL SAMPLE INTERFERENCES: None	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** @ INSTALLATION: Mostly Cloudy, 60's, Wind: SW @ SAMPLING: Mostly Cloudy, 60's, Wind: SW

METHOD OF INSTALLATION AND PURGING:
Install soil vapor point with a
Purge with a PID for 5 min at at flow rate of 500 ml/min.
Sample Type = Integrated 2-hour sample; soil vapor sample.

TUBING TYPE/DIAMETER: Poly (1/2" OD; 3/8 " ID)	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: Poly (1/2" OD; 3/8 " ID)	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):** Bentonite
BOREHOLE DIAMETER: 3/4"	**FILTER PACK MATERIAL (Sand or Glass Beads):** #2 Morie Sand

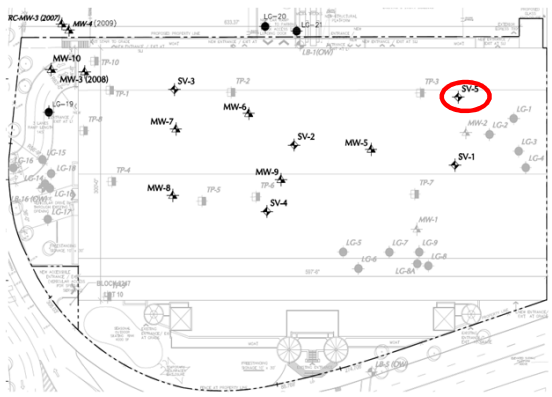
PURGE VOLUME (L):	2.50
PURGE FLOW RATE (ML/MIN):	500
PID AFTER PURGE (PPM):	2.1
HELIUM TEST IN BUCKET(%):	26.4%
HELIUM TEST IN TUBE (PPM):	0
SAMPLE START DATE/TIME:	5/20/2013 10:47
SAMPLE STOP DATE/TIME:	5/20/2013 12:44
TOTAL SAMPLE TIME (MIN):	117
FLOW RATE (L/MIN):	N/A
VOLUME OF SAMPLE (LITERS):	6
PID AFTER SAMPLE (PPM):	6.4
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	York S-18
REGULATOR SERIAL NUMBER:	04768
CAN START VACUUM PRESS. (" HG):	-28
CAN STOP VACUUM PRESS. (" HG):	-6

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)



DEPTH (FROM SURFACE)	NOTES
TOP OF SLAB	
6"	
12"	

SAMPLE LOCATION SKETCH



NOTES

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

APPENDIX E

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Report Date: 05/28/2013
Client Project ID: 170246501
York Project (SDG) No.: 13E0710

Report Date: 05/28/2013
Client Project ID: 170246501
York Project (SDG) No.: 13E0710

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 21, 2013 and listed below. The project was identified as your project: **170246501**.

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 Notes 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 attachment to 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13E0710-01	SV-1 (SN 01025)	Soil Vapor	05/20/2013	05/21/2013
13E0710-02	SV-2 (S 04)	Soil Vapor	05/20/2013	05/21/2013
13E0710-03	SV-3 (01047)	Soil Vapor	05/20/2013	05/21/2013
13E0710-04	SV-4 (P-01)	Soil Vapor	05/20/2013	05/21/2013
13E0710-05	SV-5 (S 18)	Soil Vapor	05/20/2013	05/21/2013
13E0710-06	KIC_AA (10091)	Indoor Ambient Air	05/20/2013	05/21/2013

General Notes for York Project (SDG) No.: 13E0710

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 05/28/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: SV-1 (SN 01025) **York Sample ID:** 13E0710-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Soil Vapor	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	U	ug/m³	4.9	4.9	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
108-05-4	Vinyl acetate	ND	U	ug/m³	6.7	6.7	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
79-01-6	Trichloroethylene	ND	U	ug/m³	5.1	5.1	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/m³	8.7	8.7	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/m³	7.6	7.6	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
108-88-3	Toluene	**15**	D	ug/m³	7.2	7.2	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
109-99-9	Tetrahydrofuran	ND	U	ug/m³	5.6	5.6	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
127-18-4	Tetrachloroethylene	ND	U	ug/m³	13	13	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
100-42-5	Styrene	ND	U	ug/m³	8.1	8.1	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
115-07-01	Propylene	ND	U	ug/m³	3.3	3.3	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
622-96-8	p-Ethyltoluene	ND	U	ug/m³	47	47	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
179601-23-1	p- & m- Xylenes	ND	U	ug/m³	17	17	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
95-47-6	o-Xylene	ND	U	ug/m³	8.3	8.3	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
110-54-3	n-Hexane	**120**	D	ug/m³	6.7	6.7	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
142-82-5	n-Heptane	**47**	D	ug/m³	7.8	7.8	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
75-09-2	Methylene chloride	**13**	D	ug/m³	6.6	6.6	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/m³	6.9	6.9	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
108-10-1	4-Methyl-2-pentanone	ND	U	ug/m³	7.8	7.8	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
67-63-0	Isopropanol	ND	U	ug/m³	4.7	4.7	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
87-68-3	Hexachlorobutadiene	ND	U	ug/m³	20	20	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
100-41-4	Ethyl Benzene	ND	U	ug/m³	8.3	8.3	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
141-78-6	Ethyl acetate	ND	U	ug/m³	6.9	6.9	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
110-82-7	Cyclohexane	ND	U	ug/m³	6.6	6.6	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/m³	8.7	8.7	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/m³	7.6	7.6	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
74-87-3	Chloromethane	ND	U	ug/m³	3.9	3.9	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
67-66-3	Chloroform	ND	U	ug/m³	9.3	9.3	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
75-00-3	Chloroethane	ND	U	ug/m³	5.0	5.0	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
56-23-5	Carbon tetrachloride	ND	U	ug/m³	6.0	6.0	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
75-15-0	Carbon disulfide	ND	U	ug/m³	5.9	5.9	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
74-83-9	Bromomethane	ND	U	ug/m³	7.4	7.4	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
75-25-2	Bromoform	ND	U	ug/m³	20	20	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD

Sample Information

Client Sample ID: SV-1 (SN 01025) **York Sample ID:** 13E0710-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Soil Vapor	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND	U	ug/m³	12	12	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
100-44-7	Benzyl chloride	ND	U	ug/m³	9.9	9.9	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
71-43-2	Benzene	ND	U	ug/m³	6.1	6.1	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
67-64-1	Acetone	**58**	D	ug/m³	4.5	4.5	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
591-78-6	2-Hexanone	ND	U	ug/m³	7.8	7.8	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
78-93-3	2-Butanone	ND	U	ug/m³	5.6	5.6	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
123-91-1	1,4-Dioxane	ND	U	ug/m³	6.9	6.9	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
106-46-7	1,4-Dichlorobenzene	ND	U	ug/m³	11	11	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
541-73-1	1,3-Dichlorobenzene	ND	U	ug/m³	11	11	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
106-99-0	1,3-Butadiene	ND	U	ug/m³	8.3	8.3	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/m³	9.4	9.4	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND	U	ug/m³	13	13	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
78-87-5	1,2-Dichloropropane	ND	U	ug/m³	8.8	8.8	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
107-06-2	1,2-Dichloroethane	ND	U	ug/m³	7.7	7.7	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
95-50-1	1,2-Dichlorobenzene	ND	U	ug/m³	11	11	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/m³	9.4	9.4	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/m³	14	14	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
75-35-4	1,1-Dichloroethylene	ND	U	ug/m³	7.6	7.6	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
75-34-3	1,1-Dichloroethane	ND	U	ug/m³	7.7	7.7	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND	U	ug/m³	11	11	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
79-00-5	1,1,2-Trichloroethane	ND	U	ug/m³	10	10	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/m³	15	15	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/m³	13	13	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
71-55-6	1,1,1-Trichloroethane	ND	U	ug/m³	10	10	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
75-71-8	Dichlorodifluoromethane	ND	U	ug/m³	9.4	9.4	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
106-93-4	1,2-Dibromoethane	ND	U	ug/m³	15	15	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
124-48-1	Dibromochloromethane	ND	U	ug/m³	15	15	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
80-62-6	Methyl Methacrylate	ND	U	ug/m³	7.8	7.8	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD
108-90-7	Chlorobenzene	ND	U	ug/m³	8.8	8.8	18.74	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 19:42	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.7 %*	*70-130*

Sample Information

Client Sample ID: SV-2 (S 04) **York Sample ID:** 13E0710-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Soil Vapor	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	U	ug/m³	5.2	5.2	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
108-05-4	Vinyl acetate	ND	U	ug/m³	7.2	7.2	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
79-01-6	Trichloroethylene	ND	U	ug/m³	5.5	5.5	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/m³	9.3	9.3	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/m³	8.1	8.1	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
108-88-3	Toluene	**14**	D	ug/m³	7.7	7.7	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
109-99-9	Tetrahydrofuran	ND	U	ug/m³	6.0	6.0	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
127-18-4	Tetrachloroethylene	ND	U	ug/m³	14	14	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
100-42-5	Styrene	ND	U	ug/m³	8.7	8.7	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
115-07-01	Propylene	ND	U	ug/m³	3.5	3.5	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
622-96-8	p-Ethyltoluene	ND	U	ug/m³	50	50	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
179601-23-1	p- & m- Xylenes	ND	U	ug/m³	18	18	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
95-47-6	o-Xylene	ND	U	ug/m³	8.9	8.9	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
110-54-3	n-Hexane	**110**	D	ug/m³	7.2	7.2	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
142-82-5	n-Heptane	**45**	D	ug/m³	8.4	8.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
75-09-2	Methylene chloride	**10**	D	ug/m³	7.1	7.1	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/m³	7.4	7.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
108-10-1	4-Methyl-2-pentanone	ND	U	ug/m³	8.4	8.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
67-63-0	Isopropanol	ND	U	ug/m³	5.0	5.0	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
87-68-3	Hexachlorobutadiene	ND	U	ug/m³	22	22	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
100-41-4	Ethyl Benzene	ND	U	ug/m³	8.9	8.9	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
141-78-6	Ethyl acetate	ND	U	ug/m³	7.4	7.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
110-82-7	Cyclohexane	ND	U	ug/m³	7.1	7.1	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/m³	9.3	9.3	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/m³	8.1	8.1	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
74-87-3	Chloromethane	ND	U	ug/m³	4.2	4.2	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
67-66-3	Chloroform	ND	U	ug/m³	10	10	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
75-00-3	Chloroethane	ND	U	ug/m³	5.4	5.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
56-23-5	Carbon tetrachloride	ND	U	ug/m³	6.4	6.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
75-15-0	Carbon disulfide	ND	U	ug/m³	6.4	6.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
74-83-9	Bromomethane	ND	U	ug/m³	8.0	8.0	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
75-25-2	Bromoform	ND	U	ug/m³	21	21	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD

Sample Information

Client Sample ID: SV-2 (S 04) **York Sample ID:** 13E0710-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Soil Vapor	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND	U	ug/m³	13	13	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
100-44-7	Benzyl chloride	ND	U	ug/m³	11	11	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
71-43-2	Benzene	ND	U	ug/m³	6.6	6.6	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
67-64-1	Acetone	**39**	D	ug/m³	4.9	4.9	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
591-78-6	2-Hexanone	ND	U	ug/m³	8.4	8.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
78-93-3	2-Butanone	ND	U	ug/m³	6.0	6.0	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
123-91-1	1,4-Dioxane	ND	U	ug/m³	7.4	7.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
106-46-7	1,4-Dichlorobenzene	ND	U	ug/m³	12	12	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
541-73-1	1,3-Dichlorobenzene	ND	U	ug/m³	12	12	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
106-99-0	1,3-Butadiene	ND	U	ug/m³	8.9	8.9	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/m³	10	10	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND	U	ug/m³	14	14	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
78-87-5	1,2-Dichloropropane	ND	U	ug/m³	9.5	9.5	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
107-06-2	1,2-Dichloroethane	ND	U	ug/m³	8.3	8.3	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
95-50-1	1,2-Dichlorobenzene	ND	U	ug/m³	12	12	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/m³	10	10	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/m³	15	15	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
75-35-4	1,1-Dichloroethylene	ND	U	ug/m³	8.1	8.1	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
75-34-3	1,1-Dichloroethane	ND	U	ug/m³	8.3	8.3	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND	U	ug/m³	12	12	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
79-00-5	1,1,2-Trichloroethane	ND	U	ug/m³	11	11	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/m³	16	16	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/m³	14	14	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
71-55-6	1,1,1-Trichloroethane	ND	U	ug/m³	11	11	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
75-71-8	Dichlorodifluoromethane	ND	U	ug/m³	10	10	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
106-93-4	1,2-Dibromoethane	ND	U	ug/m³	16	16	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
124-48-1	Dibromochloromethane	ND	U	ug/m³	16	16	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
80-62-6	Methyl Methacrylate	ND	U	ug/m³	8.4	8.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD
108-90-7	Chlorobenzene	ND	U	ug/m³	9.4	9.4	20.16	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 20:27	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*70-130*

Sample Information

Client Sample ID: SV-3 (01047) **York Sample ID:** 13E0710-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Soil Vapor	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	U	ug/m³	5.4	5.4	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
108-05-4	Vinyl acetate	ND	U	ug/m³	7.5	7.5	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
79-01-6	Trichloroethylene	ND	U	ug/m³	5.7	5.7	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/m³	9.6	9.6	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/m³	8.4	8.4	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
108-88-3	Toluene	ND	U	ug/m³	8.0	8.0	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
109-99-9	Tetrahydrofuran	ND	U	ug/m³	6.2	6.2	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
127-18-4	Tetrachloroethylene	ND	U	ug/m³	14	14	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
100-42-5	Styrene	ND	U	ug/m³	9.0	9.0	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
115-07-01	Propylene	ND	U	ug/m³	3.6	3.6	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
622-96-8	p-Ethyltoluene	ND	U	ug/m³	52	52	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
179601-23-1	p- & m- Xylenes	ND	U	ug/m³	18	18	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
95-47-6	o-Xylene	ND	U	ug/m³	9.2	9.2	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
110-54-3	n-Hexane	**110**	D	ug/m³	7.5	7.5	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
142-82-5	n-Heptane	**38**	D	ug/m³	8.7	8.7	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
75-09-2	Methylene chloride	**8.8**	D	ug/m³	7.4	7.4	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/m³	7.6	7.6	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
108-10-1	4-Methyl-2-pentanone	ND	U	ug/m³	8.7	8.7	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
67-63-0	Isopropanol	ND	U	ug/m³	5.2	5.2	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
87-68-3	Hexachlorobutadiene	ND	U	ug/m³	23	23	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
100-41-4	Ethyl Benzene	ND	U	ug/m³	9.2	9.2	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
141-78-6	Ethyl acetate	ND	U	ug/m³	7.6	7.6	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
110-82-7	Cyclohexane	ND	U	ug/m³	7.3	7.3	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/m³	9.6	9.6	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/m³	8.4	8.4	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
74-87-3	Chloromethane	ND	U	ug/m³	4.4	4.4	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
67-66-3	Chloroform	ND	U	ug/m³	10	10	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
75-00-3	Chloroethane	ND	U	ug/m³	5.6	5.6	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
56-23-5	Carbon tetrachloride	ND	U	ug/m³	6.7	6.7	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
75-15-0	Carbon disulfide	ND	U	ug/m³	6.6	6.6	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
74-83-9	Bromomethane	ND	U	ug/m³	8.2	8.2	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
75-25-2	Bromoform	ND	U	ug/m³	22	22	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD

Sample Information

Client Sample ID: SV-3 (01047) **York Sample ID:** 13E0710-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Soil Vapor	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND	U	ug/m³	13	13	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
100-44-7	Benzyl chloride	ND	U	ug/m³	11	11	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
71-43-2	Benzene	ND	U	ug/m³	6.8	6.8	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
67-64-1	Acetone	**89**	D	ug/m³	5.0	5.0	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
591-78-6	2-Hexanone	ND	U	ug/m³	8.7	8.7	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
78-93-3	2-Butanone	ND	U	ug/m³	6.2	6.2	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
123-91-1	1,4-Dioxane	ND	U	ug/m³	7.6	7.6	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
106-46-7	1,4-Dichlorobenzene	ND	U	ug/m³	13	13	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
541-73-1	1,3-Dichlorobenzene	ND	U	ug/m³	13	13	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
106-99-0	1,3-Butadiene	ND	U	ug/m³	9.2	9.2	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/m³	10	10	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND	U	ug/m³	15	15	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
78-87-5	1,2-Dichloropropane	ND	U	ug/m³	9.8	9.8	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
107-06-2	1,2-Dichloroethane	ND	U	ug/m³	8.6	8.6	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
95-50-1	1,2-Dichlorobenzene	ND	U	ug/m³	13	13	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/m³	10	10	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/m³	16	16	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
75-35-4	1,1-Dichloroethylene	ND	U	ug/m³	8.4	8.4	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
75-34-3	1,1-Dichloroethane	ND	U	ug/m³	8.6	8.6	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND	U	ug/m³	12	12	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
79-00-5	1,1,2-Trichloroethane	ND	U	ug/m³	12	12	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/m³	16	16	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/m³	15	15	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
71-55-6	1,1,1-Trichloroethane	ND	U	ug/m³	12	12	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
75-71-8	Dichlorodifluoromethane	ND	U	ug/m³	10	10	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
106-93-4	1,2-Dibromoethane	ND	U	ug/m³	16	16	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
124-48-1	Dibromochloromethane	ND	U	ug/m³	17	17	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
80-62-6	Methyl Methacrylate	ND	U	ug/m³	8.7	8.7	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD
108-90-7	Chlorobenzene	ND	U	ug/m³	9.8	9.8	20.83	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:12	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.6 %*	*70-130*

Sample Information

Client Sample ID: SV-4 (P-01)

York Sample ID: 13E0710-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Soil Vapor	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	U	ug/m³	4.5	4.5	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
108-05-4	Vinyl acetate	ND	U	ug/m³	6.2	6.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
79-01-6	Trichloroethylene	**400**	D	ug/m³	4.7	4.7	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/m³	8.0	8.0	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/m³	7.0	7.0	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
108-88-3	Toluene	**12**	D	ug/m³	6.7	6.7	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
109-99-9	Tetrahydrofuran	ND	U	ug/m³	5.2	5.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
127-18-4	Tetrachloroethylene	**18**	D	ug/m³	12	12	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
100-42-5	Styrene	ND	U	ug/m³	7.5	7.5	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
115-07-01	Propylene	ND	U	ug/m³	3.0	3.0	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
622-96-8	p-Ethyltoluene	ND	U	ug/m³	43	43	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
179601-23-1	p- & m- Xylenes	ND	U	ug/m³	15	15	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
95-47-6	o-Xylene	ND	U	ug/m³	7.7	7.7	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
110-54-3	n-Hexane	**120**	D	ug/m³	6.2	6.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
142-82-5	n-Heptane	**43**	D	ug/m³	7.2	7.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
75-09-2	Methylene chloride	**8.6**	D	ug/m³	6.1	6.1	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/m³	6.4	6.4	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
108-10-1	4-Methyl-2-pentanone	ND	U	ug/m³	7.2	7.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
67-63-0	Isopropanol	ND	U	ug/m³	4.3	4.3	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
87-68-3	Hexachlorobutadiene	ND	U	ug/m³	19	19	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
100-41-4	Ethyl Benzene	ND	U	ug/m³	7.7	7.7	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
141-78-6	Ethyl acetate	ND	U	ug/m³	6.4	6.4	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
110-82-7	Cyclohexane	ND	U	ug/m³	6.1	6.1	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/m³	8.0	8.0	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/m³	7.0	7.0	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
74-87-3	Chloromethane	ND	U	ug/m³	3.7	3.7	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
67-66-3	Chloroform	ND	U	ug/m³	8.6	8.6	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
75-00-3	Chloroethane	ND	U	ug/m³	4.7	4.7	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
56-23-5	Carbon tetrachloride	ND	U	ug/m³	5.6	5.6	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
75-15-0	Carbon disulfide	ND	U	ug/m³	5.5	5.5	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
74-83-9	Bromomethane	ND	U	ug/m³	6.9	6.9	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
75-25-2	Bromoform	ND	U	ug/m³	18	18	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
75-27-4	Bromodichloromethane	ND	U	ug/m³	11	11	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD

Sample Information

Client Sample ID: SV-4 (P-01) **York Sample ID:** 13E0710-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Soil Vapor	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND	U	ug/m³	9.2	9.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
71-43-2	Benzene	ND	U	ug/m³	5.6	5.6	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
67-64-1	Acetone	**30**	D	ug/m³	4.2	4.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
591-78-6	2-Hexanone	ND	U	ug/m³	7.2	7.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
78-93-3	2-Butanone	ND	U	ug/m³	5.2	5.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
123-91-1	1,4-Dioxane	ND	U	ug/m³	6.4	6.4	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
106-46-7	1,4-Dichlorobenzene	ND	U	ug/m³	11	11	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
541-73-1	1,3-Dichlorobenzene	ND	U	ug/m³	11	11	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
106-99-0	1,3-Butadiene	ND	U	ug/m³	7.7	7.7	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/m³	8.7	8.7	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND	U	ug/m³	12	12	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
78-87-5	1,2-Dichloropropane	ND	U	ug/m³	8.2	8.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
107-06-2	1,2-Dichloroethane	ND	U	ug/m³	7.2	7.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
95-50-1	1,2-Dichlorobenzene	ND	U	ug/m³	11	11	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/m³	8.7	8.7	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/m³	13	13	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
75-35-4	1,1-Dichloroethylene	ND	U	ug/m³	7.0	7.0	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
75-34-3	1,1-Dichloroethane	ND	U	ug/m³	7.2	7.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND	U	ug/m³	9.9	9.9	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
79-00-5	1,1,2-Trichloroethane	ND	U	ug/m³	9.6	9.6	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/m³	14	14	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/m³	12	12	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
71-55-6	1,1,1-Trichloroethane	ND	U	ug/m³	9.6	9.6	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
75-71-8	Dichlorodifluoromethane	ND	U	ug/m³	8.7	8.7	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
106-93-4	1,2-Dibromoethane	ND	U	ug/m³	14	14	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
124-48-1	Dibromochloromethane	ND	U	ug/m³	14	14	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
80-62-6	Methyl Methacrylate	ND	U	ug/m³	7.2	7.2	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD
108-90-7	Chlorobenzene	ND	U	ug/m³	8.1	8.1	17.38	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 21:57	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*70-130*

Sample Information

Client Sample ID: SV-5 (S 18) **York Sample ID:** 13E0710-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Soil Vapor	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	U	ug/m³	5.5	5.5	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
108-05-4	Vinyl acetate	ND	U	ug/m³	7.5	7.5	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
79-01-6	Trichloroethylene	ND	U	ug/m³	5.7	5.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/m³	9.7	9.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/m³	8.5	8.5	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
108-88-3	Toluene	**13**	D	ug/m³	8.0	8.0	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
109-99-9	Tetrahydrofuran	ND	U	ug/m³	6.3	6.3	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
127-18-4	Tetrachloroethylene	ND	U	ug/m³	14	14	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
100-42-5	Styrene	ND	U	ug/m³	9.1	9.1	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
115-07-01	Propylene	ND	U	ug/m³	3.7	3.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
622-96-8	p-Ethyltoluene	ND	U	ug/m³	52	52	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
179601-23-1	p- & m- Xylenes	ND	U	ug/m³	19	19	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
95-47-6	o-Xylene	ND	U	ug/m³	9.3	9.3	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
110-54-3	n-Hexane	**130**	D	ug/m³	7.5	7.5	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
142-82-5	n-Heptane	**51**	D	ug/m³	8.8	8.8	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
75-09-2	Methylene chloride	**8.9**	D	ug/m³	7.4	7.4	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/m³	7.7	7.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
108-10-1	4-Methyl-2-pentanone	ND	U	ug/m³	8.7	8.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
67-63-0	Isopropanol	ND	U	ug/m³	5.2	5.2	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
87-68-3	Hexachlorobutadiene	ND	U	ug/m³	23	23	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
100-41-4	Ethyl Benzene	ND	U	ug/m³	9.3	9.3	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
141-78-6	Ethyl acetate	ND	U	ug/m³	7.7	7.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
110-82-7	Cyclohexane	ND	U	ug/m³	7.4	7.4	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/m³	9.7	9.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/m³	8.5	8.5	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
74-87-3	Chloromethane	ND	U	ug/m³	4.4	4.4	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
67-66-3	Chloroform	ND	U	ug/m³	10	10	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
75-00-3	Chloroethane	ND	U	ug/m³	5.6	5.6	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
56-23-5	Carbon tetrachloride	ND	U	ug/m³	6.7	6.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
75-15-0	Carbon disulfide	ND	U	ug/m³	6.7	6.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
74-83-9	Bromomethane	ND	U	ug/m³	8.3	8.3	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
75-25-2	Bromoform	ND	U	ug/m³	22	22	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD

Sample Information

Client Sample ID: SV-5 (S 18) **York Sample ID:** 13E0710-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Soil Vapor	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND	U	ug/m³	13	13	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
100-44-7	Benzyl chloride	ND	U	ug/m³	11	11	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
71-43-2	Benzene	ND	U	ug/m³	6.8	6.8	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
67-64-1	Acetone	**49**	D	ug/m³	5.1	5.1	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
591-78-6	2-Hexanone	ND	U	ug/m³	8.7	8.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
78-93-3	2-Butanone	ND	U	ug/m³	6.3	6.3	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
123-91-1	1,4-Dioxane	ND	U	ug/m³	7.7	7.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
106-46-7	1,4-Dichlorobenzene	ND	U	ug/m³	13	13	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
541-73-1	1,3-Dichlorobenzene	ND	U	ug/m³	13	13	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
106-99-0	1,3-Butadiene	ND	U	ug/m³	9.3	9.3	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/m³	10	10	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND	U	ug/m³	15	15	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
78-87-5	1,2-Dichloropropane	ND	U	ug/m³	9.9	9.9	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
107-06-2	1,2-Dichloroethane	ND	U	ug/m³	8.6	8.6	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
95-50-1	1,2-Dichlorobenzene	ND	U	ug/m³	13	13	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/m³	10	10	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/m³	16	16	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
75-35-4	1,1-Dichloroethylene	ND	U	ug/m³	8.5	8.5	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
75-34-3	1,1-Dichloroethane	ND	U	ug/m³	8.6	8.6	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND	U	ug/m³	12	12	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
79-00-5	1,1,2-Trichloroethane	ND	U	ug/m³	12	12	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/m³	16	16	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/m³	15	15	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
71-55-6	1,1,1-Trichloroethane	ND	U	ug/m³	12	12	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
75-71-8	Dichlorodifluoromethane	ND	U	ug/m³	11	11	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
106-93-4	1,2-Dibromoethane	ND	U	ug/m³	16	16	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
124-48-1	Dibromochloromethane	ND	U	ug/m³	17	17	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
80-62-6	Methyl Methacrylate	ND	U	ug/m³	8.7	8.7	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD
108-90-7	Chlorobenzene	ND	U	ug/m³	9.8	9.8	21	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 22:41	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*70-130*

Sample Information

Client Sample ID: KIC_AA (10091)

York Sample ID: 13E0710-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Indoor Ambient Air	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	U	ug/m³	0.17	0.17	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
108-05-4	Vinyl acetate	ND	U	ug/m³	0.24	0.24	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
79-01-6	Trichloroethylene	ND	U	ug/m³	0.18	0.18	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/m³	0.31	0.31	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/m³	0.27	0.27	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
108-88-3	Toluene	**27**	D	ug/m³	0.26	0.26	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
109-99-9	Tetrahydrofuran	ND	U	ug/m³	0.20	0.20	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
127-18-4	Tetrachloroethylene	**3.7**	D	ug/m³	0.46	0.46	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
100-42-5	Styrene	ND	U	ug/m³	0.29	0.29	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
115-07-01	Propylene	ND	U	ug/m³	0.12	0.12	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
622-96-8	p-Ethyltoluene	ND	U	ug/m³	1.7	1.7	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
179601-23-1	p- & m- Xylenes	**5.6**	D	ug/m³	0.59	0.59	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
95-47-6	o-Xylene	**1.8**	D	ug/m³	0.29	0.29	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
110-54-3	n-Hexane	**24**	D	ug/m³	0.24	0.24	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
142-82-5	n-Heptane	ND	U	ug/m³	0.28	0.28	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
75-09-2	Methylene chloride	**12**	D	ug/m³	0.24	0.24	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/m³	0.24	0.24	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
108-10-1	4-Methyl-2-pentanone	ND	U	ug/m³	0.28	0.28	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
67-63-0	Isopropanol	**2.7**	D	ug/m³	0.17	0.17	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
87-68-3	Hexachlorobutadiene	ND	U	ug/m³	0.72	0.72	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
100-41-4	Ethyl Benzene	**1.7**	D	ug/m³	0.29	0.29	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
141-78-6	Ethyl acetate	ND	U	ug/m³	0.24	0.24	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
110-82-7	Cyclohexane	**1.3**	D	ug/m³	0.23	0.23	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/m³	0.31	0.31	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/m³	0.27	0.27	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
74-87-3	Chloromethane	ND	U	ug/m³	0.14	0.14	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
67-66-3	Chloroform	ND	U	ug/m³	0.33	0.33	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
75-00-3	Chloroethane	ND	U	ug/m³	0.18	0.18	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
56-23-5	Carbon tetrachloride	**0.47**	D	ug/m³	0.21	0.21	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
75-15-0	Carbon disulfide	ND	U	ug/m³	0.21	0.21	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
74-83-9	Bromomethane	ND	U	ug/m³	0.26	0.26	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
75-25-2	Bromoform	ND	U	ug/m³	0.70	0.70	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
75-27-4	Bromodichloromethane	ND	U	ug/m³	0.42	0.42	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD

Sample Information

Client Sample ID: KIC_AA (10091)

York Sample ID: 13E0710-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0710	170246501	Indoor Ambient Air	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND	U	ug/m³	0.35	0.35	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
71-43-2	Benzene	**2.0**	D	ug/m³	0.22	0.22	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
67-64-1	Acetone	**16**	D	ug/m³	0.16	0.16	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
591-78-6	2-Hexanone	ND	U	ug/m³	0.28	0.28	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
78-93-3	2-Butanone	**1.4**	D	ug/m³	0.20	0.20	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
123-91-1	1,4-Dioxane	ND	U	ug/m³	0.24	0.24	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
106-46-7	1,4-Dichlorobenzene	**0.41**	U, D	ug/m³	0.41	0.41	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
541-73-1	1,3-Dichlorobenzene	ND	U	ug/m³	0.41	0.41	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
106-99-0	1,3-Butadiene	ND	U	ug/m³	0.29	0.29	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
108-67-8	1,3,5-Trimethylbenzene	**0.37**	D	ug/m³	0.33	0.33	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND	U	ug/m³	0.47	0.47	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
78-87-5	1,2-Dichloropropane	ND	U	ug/m³	0.31	0.31	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
107-06-2	1,2-Dichloroethane	ND	U	ug/m³	0.27	0.27	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
95-50-1	1,2-Dichlorobenzene	ND	U	ug/m³	0.41	0.41	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
95-63-6	1,2,4-Trimethylbenzene	**1.2**	D	ug/m³	0.33	0.33	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/m³	0.50	0.50	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
75-35-4	1,1-Dichloroethylene	ND	U	ug/m³	0.27	0.27	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
75-34-3	1,1-Dichloroethane	ND	U	ug/m³	0.27	0.27	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
75-69-4	Trichlorofluoromethane (Freon 11)	**1.9**	D	ug/m³	0.38	0.38	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
79-00-5	1,1,2-Trichloroethane	ND	U	ug/m³	0.37	0.37	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 11	**0.62**	D	ug/m³	0.52	0.52	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/m³	0.47	0.47	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
71-55-6	1,1,1-Trichloroethane	ND	U	ug/m³	0.37	0.37	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
75-71-8	Dichlorodifluoromethane	**2.7**	D	ug/m³	0.34	0.34	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
106-93-4	1,2-Dibromoethane	ND	U	ug/m³	0.52	0.52	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
124-48-1	Dibromochloromethane	ND	U	ug/m³	0.54	0.54	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
80-62-6	Methyl Methacrylate	ND	U	ug/m³	0.28	0.28	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD
108-90-7	Chlorobenzene	ND	U	ug/m³	0.31	0.31	0.66666	EPA Compendium TO-15	05/21/2013 09:00	05/22/2013 23:33	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.6 %*	*70-130*

Analytical Batch Summary

Batch ID: BE31148 **Preparation Method:** EPA TO15 PREP **Prepared By:** SR

YORK Sample ID	Client Sample ID	Preparation Date
13E0710-01	SV-1 (SN 01025)	05/21/13
13E0710-02	SV-2 (S 04)	05/21/13
13E0710-03	SV-3 (01047)	05/21/13
13E0710-04	SV-4 (P-01)	05/21/13
13E0710-05	SV-5 (S 18)	05/21/13
13E0710-06	KIC_AA (10091)	05/21/13
BE31148-BLK1	Blank	05/22/13
BE31148-BS1	LCS	05/22/13

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31148 - EPA TO15 PREP											
Blank (BE31148-BLK1)											Prepared & Analyzed: 05/22/2013
Vinyl Chloride	ND	0.26	ug/m³								
Vinyl acetate	ND	0.36	"								
Trichloroethylene	ND	0.27	"								
trans-1,3-Dichloropropylene	ND	0.46	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.30	"								
Tetrachloroethylene	ND	0.69	"								
Styrene	ND	0.43	"								
Propylene	ND	0.18	"								
p-Ethyltoluene	ND	2.5	"								
p- & m- Xylenes	ND	0.88	"								
o-Xylene	ND	0.44	"								
n-Hexane	ND	0.36	"								
n-Heptane	ND	0.42	"								
Methylene chloride	ND	0.35	"								
Methyl tert-butyl ether (MTBE)	ND	0.37	"								
4-Methyl-2-pentanone	ND	0.42	"								
Isopropanol	ND	0.25	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.44	"								
Ethyl acetate	ND	0.37	"								
Cyclohexane	ND	0.35	"								
cis-1,3-Dichloropropylene	ND	0.46	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.50	"								
Chloroethane	ND	0.27	"								
Carbon tetrachloride	ND	0.32	"								
Carbon disulfide	ND	0.32	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.1	"								
Bromodichloromethane	ND	0.63	"								
Benzyl chloride	ND	0.53	"								
Benzene	ND	0.32	"								
Acetone	ND	0.24	"								
2-Hexanone	ND	0.42	"								
2-Butanone	ND	0.30	"								
1,4-Dioxane	ND	0.37	"								
1,4-Dichlorobenzene	ND	0.61	"								
1,3-Dichlorobenzene	ND	0.61	"								
1,3-Butadiene	ND	0.44	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorotetrafluoroethane	ND	0.71	"								
1,2-Dichloropropane	ND	0.47	"								
1,2-Dichloroethane	ND	0.41	"								
1,2-Dichlorobenzene	ND	0.61	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.75	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.41	"								

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31148 - EPA TO15 PREP											
Blank (BE31148-BLK1)								Prepared & Analyzed: 05/22/2013			
Trichlorofluoromethane (Freon 11)	ND	0.57	ug/m³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								
1,1,2,2-Tetrachloroethane	ND	0.70	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.78	"								
Dibromochloromethane	ND	0.82	"								
Methyl Methacrylate	ND	0.42	"								
Chlorobenzene	ND	0.47	"								
Surrogate: p-Bromofluorobenzene	*7.83*		*ppbv*	*10.0*		*78.3*	*70-130*				
LCS (BE31148-BS1)								Prepared & Analyzed: 05/22/2013			
Vinyl Chloride	11.1		ppbv	10.5		106	70-130				
Vinyl acetate	10.7		"	10.4		103	58.1-135				
Trichloroethylene	9.72		"	10.6		91.7	70-130				
trans-1,3-Dichloropropylene	13.2		"	11.5		115	62-135				
trans-1,2-Dichloroethylene	10.1		"	10.3		97.7	58.3-130				
Toluene	12.4		"	11.0		113	64.9-126				
Tetrahydrofuran	11.8		"	10.8		110	44.6-146				
Tetrachloroethylene	10.9		"	10.8		101	70-130				
Styrene	12.1		"	10.9		111	66.4-132				
Propylene	14.8		"	11.5		129	62.4-150				
p-Ethyltoluene	12.8		"	10.4		123	73.8-146				
p- & m- Xylenes	27.0		"	21.8		124	56.6-136				
o-Xylene	13.4		"	11.0		122	67.8-133				
n-Hexane	11.6		"	10.9		106	59.7-130				
n-Heptane	12.4		"	10.9		114	62.3-134				
Methylene chloride	8.43		"	9.70		86.9	62.6-130				
Methyl tert-butyl ether (MTBE)	7.71		"	10.3		74.9	60.7-139				
4-Methyl-2-pentanone	10.7		"	10.6		101	64.5-158				
Isopropanol	1.98		"	10.9		18.2	60-150	Low Bias			
Hexachlorobutadiene	10.2		"	10.2		99.7	61.2-150				
Ethyl Benzene	13.7		"	11.0		125	68.4-125				
Ethyl acetate	13.0		"	11.0		118	40.6-150				
Cyclohexane	11.5		"	10.8		106	60.4-127				
cis-1,3-Dichloropropylene	12.1		"	10.9		111	65.5-129				
cis-1,2-Dichloroethylene	10.0		"	10.8		93.1	51.3-118				
Chloromethane	10.0		"	10.3		97.1	64.9-130				
Chloroform	10.6		"	11.0		95.9	65.1-130				
Chloroethane	10.5		"	10.3		102	52.1-131				
Carbon tetrachloride	9.31		"	10.5		88.7	70-130				
Carbon disulfide	10.2		"	10.5		97.3	61.8-111				
Bromomethane	10.1		"	10.5		96.4	60.1-140				
Bromoform	13.1		"	10.9		121	58.7-150				
Bromodichloromethane	10.4		"	10.6		97.9	65.3-127				
Benzyl chloride	13.6		"	10.8		126	62.5-150				
Benzene	10.8		"	10.8		99.6	69.5-130				
Acetone	11.5		"	11.0		104	55.3-133				
2-Hexanone	7.37		"	10.9		67.6	52-150				
2-Butanone	12.4		"	10.9		114	28.5-154				
1,4-Dioxane	11.6		"	10.6		110	50-150				

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31148 - EPA TO15 PREP											
LCS (BE31148-BS1)								Prepared & Analyzed: 05/22/2013			
1,4-Dichlorobenzene	14.0		ppbv	10.9		128	62.5-139				
1,3-Dichlorobenzene	13.8		"	10.8		128	71.9-153				
1,3-Butadiene	11.2		"	10.9		102	66.7-127				
1,3,5-Trimethylbenzene	13.2		"	11.0		120	65-152				
1,2-Dichlorotetrafluoroethane	10.5		"	10.5		100	63.3-129				
1,2-Dichloropropane	11.2		"	11.0		102	21.3-152				
1,2-Dichloroethane	10.4		"	10.7		97.5	51.2-124				
1,2-Dichlorobenzene	13.4		"	10.7		125	63.7-148				
1,2,4-Trimethylbenzene	12.9		"	11.0		118	67.9-152				
1,2,4-Trichlorobenzene	9.07		"	10.0		90.7	58-147				
1,1-Dichloroethylene	9.33		"	9.60		97.2	58.1-130				
1,1-Dichloroethane	9.96		"	10.3		96.7	63.3-130				
Trichlorofluoromethane (Freon 11)	10.1		"	11.0		92.1	56-132				
1,1,2-Trichloroethane	11.4		"	11.0		104	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.63		"	9.20		93.8	60.2-125				
1,1,2,2-Tetrachloroethane	13.4		"	11.0		122	63.7-132				
1,1,1-Trichloroethane	10.1		"	10.5		96.1	58.2-126				
Dichlorodifluoromethane	10.4		"	10.2		101	62.8-133				
1,2-Dibromoethane	11.9		"	11.0		108	70-130				
Dibromochloromethane	10.9		"	10.7		102	70-130				
Methyl Methacrylate	10.4		"	10.7		96.7	70-130				
Chlorobenzene	12.4		"	11.0		112	67.6-122				
Surrogate: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*70-130*				

Notes and Definitions

U	Analyte included in the analysis, but not detected
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.
D	The result reported is from a dilution of the sample due to levels of target compounds found

---

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record - AIR

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 13E0710

YOUR Information

Company: Langan Engineering
Address: 30 W 31st St 8th Fl NY, NY 10001
Phone No. (212) 479-5400
Contact Person: Brandon Nathe
E-Mail Address: BNathe@langan.com

Report To:

Company: SAME
Address:
Phone No.
Attention: Paul McMahon
E-Mail Address: PMcMahon@langan.com

Invoice To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

170246501

Purchase Order No.

Samples from: CT ___ NY ✓ NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☑
- Standard(5-7 Days) ☐

Report Type/Deliverables

- Summary Report ✓
- Summary w/ QA Summary
- CT RCP Package
- NY ASP A Package
- NY ASP B/CLP Pkg ✓
- NJDEP Reduced
- *Electronic Deliverables:*
- EDD (Specify Type) NYSDEC
- Standard Excel X
- Regulatory Comparison Excel

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.

Paul McMahon
Samples Collected/Authorized By (Signature)

Paul McMahon
Name (printed)

Air Matrix Codes

- AI - INDOOR Ambient Air
- AO- OUTDOOR Amb. Air
- AE- Vapor Extraction Well/ Process Gas/Effluent
- AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

- EPA TO-15 List
- NYSDEC VI list
- NYSDEC STARS List
- Project Specific List by TO-15
- NJDEP Target List
- CTDEP RCP Target List
- EPA TO-14A List
- Tentatively Identified Compounds
- Air VPH
- Helium
- Methane
- OTHER

Detection Limits Required

- ≤ 1 ug/m³
- NYSDEC VI Limits (VI = vapor intrusion)
- NJDEP low level
- Routine Survey
- Other

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV-1 (SN01025)	5/20/13	AS	-32	-8	EPA TO-15 List	6 Liter Summa canister X Tedlar Bag
SV-2 (S04)	↓	↓	-29	-5	↓	6 Liter Summa canister X Tedlar Bag
SV-3 (01047)			-29.5	-7		6 Liter Summa canister X Tedlar Bag
SV-4 (P-01)			-32	-5		6 Liter Summa canister X Tedlar Bag
SV-5 (S18)		↓	-28	-6		6 Liter Summa canister X Tedlar Bag
KIC_AA (10091)	↓	AI	-32	-5	↓	6 Liter Summa canister X Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag

Comments

Paul McMahon 5/21/13 8:00
Samples Relinquished By Date/Time

Samples Relinquished By Date/Time

RBaker 5-21-13 8AM
Samples Received By Date/Time

DSpace 5-21-13 1645
Samples Received in LAB by Date/Time

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Report Date: 05/28/2013
Client Project ID: 170246501
York Project (SDG) No.: 13E0711

Report Date: 05/28/2013
Client Project ID: 170246501
York Project (SDG) No.: 13E0711

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 21, 2013 and listed below. The project was identified as your project: **170246501**.

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 Notes 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 attachment to this report, and case narrative if applicable.

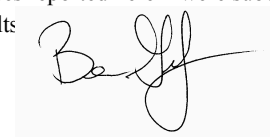
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13E0711-01	MW-7 (1-5)	Soil	05/20/2013	05/21/2013
13E0711-02	MW-7 (7-9)	Soil	05/20/2013	05/21/2013
13E0711-03	MW-9 (0-2)	Soil	05/20/2013	05/21/2013
13E0711-04	MW-9 (6-8)	Soil	05/20/2013	05/21/2013
13E0711-05	MW-6 (0-2)	Soil	05/20/2013	05/21/2013
13E0711-06	MW-6 (9-11)	Soil	05/20/2013	05/21/2013
13E0711-07	MW-8 (0.5-2.5)	Soil	05/20/2013	05/21/2013
13E0711-08	MW-8 (7.5-9.5)	Soil	05/20/2013	05/21/2013
13E0711-09	TB-052113	Water	05/21/2013	05/21/2013

General Notes for York Project (SDG) No.: 13E0711

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results ples submitted on the attached chain-of-custody form(s) received by York.

Approved By:  **Date:** 05/28/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: MW-7 (1-5) **York Sample ID:** 13E0711-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:25 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.070	0.14	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
67-64-1	Acetone	ND	U	mg/kg dry	0.0035	0.014	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS

Sample Information

Client Sample ID: MW-7 (1-5) **York Sample ID:** 13E0711-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:25 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	**0.019**		mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
75-09-2	Methylene chloride	**0.022**		mg/kg dry	0.0035	0.014	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0035	0.014	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0070	0.014	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS

Sample Information

Client Sample ID: MW-7 (1-5) **York Sample ID:** 13E0711-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:25 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.011	0.021	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0035	0.0070	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:04	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*126 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.7 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*117 %*	*84-117*

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.496	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.658	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.784	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.749	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
56-55-3	Benzo(a)anthracene	**0.554**	J, D	mg/kg dry	0.513	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
50-32-8	Benzo(a)pyrene	**0.729**	J, D	mg/kg dry	0.543	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	1.15	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.455	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	1.37	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	1.37	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.757	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.661	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.924	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.357	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.472	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.699	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.483	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.946	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.740	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.452	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.804	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
218-01-9	Chrysene	**0.655**	J, D	mg/kg dry	0.631	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.551	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.639	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR

Sample Information

Client Sample ID: MW-7 (1-5) **York Sample ID:** 13E0711-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:25 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.557	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.897	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.845	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.433	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.719	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	1.12	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.861	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.960	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.612	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	1.73	2.74	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	1.20	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	1.15	2.74	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.705	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.606	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	1.37	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
206-44-0	Fluoranthene	**1.04**	J, D	mg/kg dry	0.804	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.658	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.809	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.463	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	1.02	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.392	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.625	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.472	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	1.05	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.521	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.595	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.337	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	1.36	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.568	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.403	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.516	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.373	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR

Sample Information

Client Sample ID: MW-7 (1-5) **York Sample ID:** 13E0711-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:25 pm	05/21/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.458	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.562	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.620	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	1.03	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
85-01-8	Phenanthrene	**0.941**	J, D	mg/kg dry	0.716	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.592	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
129-00-0	Pyrene	**1.30**	J, D	mg/kg dry	0.559	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.963	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.496	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	1.06	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.697	1.37	5	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 15:34	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*68.5 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*75.2 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*52.4 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*61.6 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*65.8 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*103 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	mg/kg dry	0.137	0.137	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
72-43-5	Methoxychlor	ND	U	mg/kg dry	0.0136	0.0136	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
1024-57-3	Heptachlor epoxide	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
76-44-8	Heptachlor	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
58-89-9	gamma-BHC (Lindane)	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
53494-70-5	Endrin ketone	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
7421-93-4	Endrin aldehyde	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
72-20-8	Endrin	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
1031-07-8	Endosulfan sulfate	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
33213-65-9	Endosulfan II	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
959-98-8	Endosulfan I	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
60-57-1	Dieldrin	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
319-86-8	delta-BHC	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW

Sample Information

Client Sample ID: MW-7 (1-5) **York Sample ID:** 13E0711-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:25 pm	05/21/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND	U	mg/kg dry	0.0109	0.0109	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
319-85-7	beta-BHC	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
319-84-6	alpha-BHC	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
309-00-2	Aldrin	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
50-29-3	4,4'-DDT	**0.0120**	D	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
72-55-9	4,4'-DDE	**0.00722**	D	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
72-54-8	4,4'-DDD	ND	U	mg/kg dry	0.00271	0.00271	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:38	JW
11096-82-5	Aroclor 1260	ND	U	mg/kg dry	0.0280	0.0280	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:15	JW
11097-69-1	Aroclor 1254	ND	U	mg/kg dry	0.0280	0.0280	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:15	JW
12672-29-6	Aroclor 1248	ND	U	mg/kg dry	0.0280	0.0280	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:15	JW
53469-21-9	Aroclor 1242	ND	U	mg/kg dry	0.0280	0.0280	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:15	JW
11141-16-5	Aroclor 1232	ND	U	mg/kg dry	0.0280	0.0280	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:15	JW
11104-28-2	Aroclor 1221	ND	U	mg/kg dry	0.0280	0.0280	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:15	JW
12674-11-2	Aroclor 1016	ND	U	mg/kg dry	0.0280	0.0280	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:15	JW
1336-36-3	Total PCBs	ND	U	mg/kg dry	0.0112	0.0280	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:15	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.3 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.8 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**18700**		mg/kg dry	1.12	2.19	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.241	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-38-2	Arsenic	**6.39**		mg/kg dry	0.373	1.10	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-39-3	Barium	**558**		mg/kg dry	0.143	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.110	0.110	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-43-9	Cadmium	**1.17**		mg/kg dry	0.110	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-70-2	Calcium	**7470**		mg/kg dry	0.044	5.48	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-47-3	Chromium	**25.1**		mg/kg dry	0.132	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-48-4	Cobalt	**16.7**		mg/kg dry	0.088	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-50-8	Copper	**50.1**		mg/kg dry	0.132	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7439-89-6	Iron	**42500**	E	mg/kg dry	0.713	2.19	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7439-92-1	Lead	**392**		mg/kg dry	0.186	0.329	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7439-95-4	Magnesium	**11700**		mg/kg dry	0.494	5.48	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW

Sample Information

Client Sample ID: MW-7 (1-5) **York Sample ID:** 13E0711-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:25 pm	05/21/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	**432**		mg/kg dry	0.121	1.10	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-02-0	Nickel	**24.3**		mg/kg dry	0.143	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-09-7	Potassium	**12300**	B	mg/kg dry	3.71	11.0	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7782-49-2	Selenium	ND	U	mg/kg dry	0.548	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.110	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-23-5	Sodium	**326**	B	mg/kg dry	5.78	11.0	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.351	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-62-2	Vanadium	**64.0**		mg/kg dry	0.121	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW
7440-66-6	Zinc	**501**		mg/kg dry	0.099	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:09	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0362	0.0362	1	EPA SW846-7471	05/22/2013 15:05	05/23/2013 09:05	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**91.2**		%	0.100	0.100	1	SM 2540G	05/22/2013 12:11	05/23/2013 09:58	AMC

Sample Information

Client Sample ID: MW-7 (7-9) **York Sample ID:** 13E0711-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:35 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS

Sample Information

Client Sample ID: MW-7 (7-9) **York Sample ID:** 13E0711-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:35 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.048	0.096	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
67-64-1	Acetone	ND	U	mg/kg dry	0.0024	0.0096	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS

Sample Information

Client Sample ID: MW-7 (7-9) **York Sample ID:** 13E0711-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:35 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
75-09-2	Methylene chloride	**0.011**		mg/kg dry	0.0024	0.0096	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0024	0.0096	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0048	0.0096	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0072	0.014	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 05:52	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*99.5 %*	*84-117*

Sample Information

Client Sample ID: MW-7 (7-9) **York Sample ID:** 13E0711-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:35 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0993	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.132	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.157	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.150	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
56-55-3	Benzo(a)anthracene	ND	U	mg/kg dry	0.103	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
50-32-8	Benzo(a)pyrene	ND	U	mg/kg dry	0.109	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.230	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0910	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.274	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.274	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.151	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.132	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.185	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0713	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0943	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.140	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0965	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.189	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.148	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0905	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.161	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
218-01-9	Chrysene	ND	U	mg/kg dry	0.126	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.110	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.128	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.111	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.179	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.169	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0866	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.144	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.224	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.172	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.192	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR

Sample Information

Client Sample ID: MW-7 (7-9) **York Sample ID:** 13E0711-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:35 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.122	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.345	0.548	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.239	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.230	0.548	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.141	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.121	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.274	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
206-44-0	Fluoranthene	ND	U	mg/kg dry	0.161	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.132	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.162	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0927	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.204	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0784	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.125	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0943	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.211	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.104	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.119	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0674	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.273	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.114	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0806	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.103	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0746	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0916	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.112	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.124	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.207	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
85-01-8	Phenanthrene	ND	U	mg/kg dry	0.143	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.118	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
129-00-0	Pyrene	ND	U	mg/kg dry	0.112	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.192	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR

Sample Information

Client Sample ID: MW-7 (7-9) **York Sample ID:** 13E0711-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:35 pm	05/21/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0993	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.213	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.139	0.274	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:05	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*78.1 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*65.8 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*52.9 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*41.3 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*66.7 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*108 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0280	0.0280	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 10:44	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0280	0.0280	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 10:44	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0280	0.0280	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 10:44	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0280	0.0280	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 10:44	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0280	0.0280	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 10:44	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0280	0.0280	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 10:44	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0280	0.0280	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 10:44	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.0280	0.0280	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 10:44	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*60.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*43.3 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**9940**		mg/kg dry	1.12	2.19	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.241	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-38-2	Arsenic	**2.65**		mg/kg dry	0.373	1.10	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-39-3	Barium	**143**		mg/kg dry	0.143	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.110	0.110	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.110	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-70-2	Calcium	**2980**		mg/kg dry	0.044	5.48	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW

Sample Information

Client Sample ID: MW-7 (7-9) **York Sample ID:** 13E0711-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 1:35 pm	05/21/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	**17.0**		mg/kg dry	0.132	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-48-4	Cobalt	**9.04**		mg/kg dry	0.088	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-50-8	Copper	**12.9**		mg/kg dry	0.132	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7439-89-6	Iron	**16900**		mg/kg dry	0.713	2.19	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7439-92-1	Lead	**9.87**		mg/kg dry	0.186	0.329	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7439-95-4	Magnesium	**5410**		mg/kg dry	0.494	5.48	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7439-96-5	Manganese	**215**		mg/kg dry	0.121	1.10	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-02-0	Nickel	**15.8**		mg/kg dry	0.143	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-09-7	Potassium	**3820**	B	mg/kg dry	3.71	11.0	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7782-49-2	Selenium	ND	U	mg/kg dry	0.548	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.110	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-23-5	Sodium	**188**	B	mg/kg dry	5.78	11.0	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.351	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-62-2	Vanadium	**36.6**		mg/kg dry	0.121	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW
7440-66-6	Zinc	**49.3**		mg/kg dry	0.099	0.548	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:14	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0362	0.0362	1	EPA SW846-7471	05/22/2013 15:05	05/23/2013 09:05	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**91.2**		%	0.100	0.100	1	SM 2540G	05/22/2013 12:11	05/23/2013 09:58	AMC

Sample Information

Client Sample ID: MW-9 (0-2) **York Sample ID:** 13E0711-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:35 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS

Sample Information

Client Sample ID: MW-9 (0-2) **York Sample ID:** 13E0711-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:35 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.053	0.11	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
67-64-1	Acetone	ND	U	mg/kg dry	0.0026	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS

Sample Information

Client Sample ID: MW-9 (0-2) **York Sample ID:** 13E0711-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:35 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
75-09-2	Methylene chloride	**0.014**		mg/kg dry	0.0026	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0026	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0053	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0079	0.016	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0026	0.0053	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 06:40	SS

Sample Information

Client Sample ID: MW-9 (0-2) **York Sample ID:** 13E0711-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:35 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*		*73-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.7 %*		*72-127*							
2037-26-5	*Surrogate: Toluene-d8*	*99.6 %*		*84-117*							

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0999	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.132	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.158	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.151	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
56-55-3	Benzo(a)anthracene	**0.361**		mg/kg dry	0.103	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
50-32-8	Benzo(a)pyrene	**0.447**		mg/kg dry	0.109	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
205-99-2	Benzo(b)fluoranthene	**0.421**		mg/kg dry	0.231	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
191-24-2	Benzo(g,h,i)perylene	**0.105**	J	mg/kg dry	0.0916	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.276	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
207-08-9	Benzo(k)fluoranthene	**0.369**		mg/kg dry	0.276	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.152	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.133	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.186	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0717	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0949	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.141	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0971	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.190	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.149	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0910	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.162	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
218-01-9	Chrysene	**0.404**		mg/kg dry	0.127	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.111	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.129	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.112	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.180	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR

Sample Information

Client Sample ID: MW-9 (0-2) **York Sample ID:** 13E0711-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:35 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.170	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0872	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.145	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.225	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.173	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.193	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.123	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.241	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.348	0.552	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.232	0.552	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.142	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.122	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.276	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
206-44-0	Fluoranthene	**0.622**		mg/kg dry	0.162	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.132	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.163	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0932	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.205	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0789	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
193-39-5	Indeno(1,2,3-cd)pyrene	**0.134**	J	mg/kg dry	0.126	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0949	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.212	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.105	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.120	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0679	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.274	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.114	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0811	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.104	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0750	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0921	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.113	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR

Sample Information

Client Sample ID: MW-9 (0-2) **York Sample ID:** 13E0711-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:35 pm	05/21/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.125	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.208	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
85-01-8	Phenanthrene	**0.424**		mg/kg dry	0.144	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.119	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
129-00-0	Pyrene	**0.803**		mg/kg dry	0.113	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.194	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0999	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.214	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.140	0.276	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 16:36	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*64.1 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*51.8 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*44.4 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*37.9 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*54.5 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*98.7 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	mg/kg dry	0.138	0.138	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
72-43-5	Methoxychlor	ND	U	mg/kg dry	0.0137	0.0137	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
1024-57-3	Heptachlor epoxide	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
76-44-8	Heptachlor	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
58-89-9	gamma-BHC (Lindane)	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
53494-70-5	Endrin ketone	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
7421-93-4	Endrin aldehyde	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
72-20-8	Endrin	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
1031-07-8	Endosulfan sulfate	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
33213-65-9	Endosulfan II	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
959-98-8	Endosulfan I	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
60-57-1	Dieldrin	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
319-86-8	delta-BHC	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
57-74-9	Chlordane, total	ND	U	mg/kg dry	0.0109	0.0109	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
319-85-7	beta-BHC	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW

Sample Information

Client Sample ID: MW-9 (0-2) **York Sample ID:** 13E0711-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:35 pm	05/21/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
309-00-2	Aldrin	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
50-29-3	4,4'-DDT	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
72-55-9	4,4'-DDE	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
72-54-8	4,4'-DDD	ND	U	mg/kg dry	0.00273	0.00273	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 10:53	JW
11096-82-5	Aroclor 1260	ND	U	mg/kg dry	0.0281	0.0281	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:43	JW
11097-69-1	Aroclor 1254	ND	U	mg/kg dry	0.0281	0.0281	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:43	JW
12672-29-6	Aroclor 1248	ND	U	mg/kg dry	0.0281	0.0281	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:43	JW
53469-21-9	Aroclor 1242	ND	U	mg/kg dry	0.0281	0.0281	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:43	JW
11141-16-5	Aroclor 1232	ND	U	mg/kg dry	0.0281	0.0281	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:43	JW
11104-28-2	Aroclor 1221	ND	U	mg/kg dry	0.0281	0.0281	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:43	JW
12674-11-2	Aroclor 1016	ND	U	mg/kg dry	0.0281	0.0281	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:43	JW
1336-36-3	Total PCBs	ND	U	mg/kg dry	0.0113	0.0281	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:43	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*101 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*88.1 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**12200**		mg/kg dry	1.13	2.21	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.243	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-38-2	Arsenic	**3.39**		mg/kg dry	0.375	1.10	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-39-3	Barium	**99.6**		mg/kg dry	0.143	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.110	0.110	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.110	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-70-2	Calcium	**11200**		mg/kg dry	0.044	5.52	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-47-3	Chromium	**25.4**		mg/kg dry	0.132	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-48-4	Cobalt	**9.93**		mg/kg dry	0.088	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-50-8	Copper	**26.7**		mg/kg dry	0.132	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7439-89-6	Iron	**24100**	E	mg/kg dry	0.717	2.21	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7439-92-1	Lead	**79.5**		mg/kg dry	0.188	0.331	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7439-95-4	Magnesium	**6270**		mg/kg dry	0.497	5.52	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7439-96-5	Manganese	**267**		mg/kg dry	0.121	1.10	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-02-0	Nickel	**20.9**		mg/kg dry	0.143	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW

Sample Information

Client Sample ID: MW-9 (0-2) **York Sample ID:** 13E0711-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:35 pm	05/21/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	**3010**	B	mg/kg dry	3.73	11.0	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7782-49-2	Selenium	ND	U	mg/kg dry	0.552	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.110	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-23-5	Sodium	**339**	B	mg/kg dry	5.82	11.0	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.353	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-62-2	Vanadium	**36.8**		mg/kg dry	0.121	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW
7440-66-6	Zinc	**76.2**		mg/kg dry	0.099	0.552	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:30	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0364	0.0364	1	EPA SW846-7471	05/22/2013 15:05	05/23/2013 09:05	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**90.6**		%	0.100	0.100	1	SM 2540G	05/22/2013 12:11	05/23/2013 09:58	AMC

Sample Information

Client Sample ID: MW-9 (6-8) **York Sample ID:** 13E0711-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:45 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS

Sample Information

Client Sample ID: MW-9 (6-8) **York Sample ID:** 13E0711-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:45 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.052	0.10	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
67-64-1	Acetone	ND	U	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
74-83-9	Bromomethane	**0.0065**		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS

Sample Information

Client Sample ID: MW-9 (6-8) **York Sample ID:** 13E0711-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:45 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
75-09-2	Methylene chloride	**0.015**		mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0052	0.010	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0079	0.016	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 07:29	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.7 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*99.9 %*	*84-117*

Sample Information

Client Sample ID: MW-9 (6-8) **York Sample ID:** 13E0711-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:45 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.108	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.144	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.171	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.163	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
56-55-3	Benzo(a)anthracene	ND	U	mg/kg dry	0.112	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
50-32-8	Benzo(a)pyrene	ND	U	mg/kg dry	0.118	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.251	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0993	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.299	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.299	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.165	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.144	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.202	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0777	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.103	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.152	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.105	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.206	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.161	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0987	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.175	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
218-01-9	Chrysene	ND	U	mg/kg dry	0.138	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.120	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.139	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.121	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.196	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.184	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0945	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.157	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.244	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.188	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.209	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR

Sample Information

Client Sample ID: MW-9 (6-8) **York Sample ID:** 13E0711-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:45 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.133	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.261	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.377	0.598	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.251	0.598	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.154	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.132	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.299	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
206-44-0	Fluoranthene	ND	U	mg/kg dry	0.175	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.144	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.176	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.101	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.222	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0855	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.136	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.103	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.230	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.114	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.130	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0736	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.297	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.124	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0879	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.112	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0813	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0999	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.123	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.135	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.225	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
85-01-8	Phenanthrene	ND	U	mg/kg dry	0.156	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.129	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
129-00-0	Pyrene	ND	U	mg/kg dry	0.122	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.210	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR

Sample Information

Client Sample ID: MW-9 (6-8) **York Sample ID:** 13E0711-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:45 pm	05/21/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.108	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.232	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.152	0.299	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:08	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*64.2 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*56.0 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*41.0 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*33.5 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*54.2 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*92.0 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0305	0.0305	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 12:12	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0305	0.0305	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 12:12	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0305	0.0305	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 12:12	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0305	0.0305	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 12:12	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0305	0.0305	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 12:12	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0305	0.0305	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 12:12	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0305	0.0305	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 12:12	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.0305	0.0305	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 12:12	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*80.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.6 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**9140**		mg/kg dry	1.22	2.39	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.263	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-38-2	Arsenic	**3.99**		mg/kg dry	0.407	1.20	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-39-3	Barium	**53.6**		mg/kg dry	0.155	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.120	0.120	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.120	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-70-2	Calcium	**10800**		mg/kg dry	0.048	5.98	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW

Sample Information

Client Sample ID: MW-9 (6-8) **York Sample ID:** 13E0711-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:45 pm	05/21/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	**23.0**		mg/kg dry	0.144	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-48-4	Cobalt	**9.20**		mg/kg dry	0.096	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-50-8	Copper	**20.9**		mg/kg dry	0.144	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7439-89-6	Iron	**16300**		mg/kg dry	0.777	2.39	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7439-92-1	Lead	**7.59**		mg/kg dry	0.203	0.359	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7439-95-4	Magnesium	**9030**		mg/kg dry	0.538	5.98	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7439-96-5	Manganese	**219**		mg/kg dry	0.132	1.20	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-02-0	Nickel	**21.2**		mg/kg dry	0.155	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-09-7	Potassium	**2570**	B	mg/kg dry	4.04	12.0	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7782-49-2	Selenium	ND	U	mg/kg dry	0.598	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.120	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-23-5	Sodium	**301**	B	mg/kg dry	6.30	12.0	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.383	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-62-2	Vanadium	**35.3**		mg/kg dry	0.132	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW
7440-66-6	Zinc	**46.1**		mg/kg dry	0.108	0.598	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:34	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0395	0.0395	1	EPA SW846-7471	05/22/2013 15:05	05/23/2013 09:05	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**83.6**		%	0.100	0.100	1	SM 2540G	05/22/2013 12:11	05/23/2013 09:58	AMC

Sample Information

Client Sample ID: MW-6 (0-2) **York Sample ID:** 13E0711-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS

Sample Information

Client Sample ID: MW-6 (0-2) **York Sample ID:** 13E0711-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.060	0.12	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
67-64-1	Acetone	ND	U	mg/kg dry	0.0030	0.012	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS

Sample Information

Client Sample ID: MW-6 (0-2) **York Sample ID:** 13E0711-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
75-09-2	Methylene chloride	**0.014**		mg/kg dry	0.0030	0.012	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0030	0.012	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0060	0.012	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0090	0.018	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0030	0.0060	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 08:17	SS

Sample Information

Client Sample ID: MW-6 (0-2) **York Sample ID:** 13E0711-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:00 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*116 %*		*73-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*112 %*		*72-127*							
2037-26-5	*Surrogate: Toluene-d8*	*125 %*	*S-04*	*84-117*							

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0971	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.129	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.153	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.146	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
56-55-3	Benzo(a)anthracene	**0.243**	J	mg/kg dry	0.100	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
50-32-8	Benzo(a)pyrene	**0.326**		mg/kg dry	0.106	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.225	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0891	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.268	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
207-08-9	Benzo(k)fluoranthene	**0.290**		mg/kg dry	0.268	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.148	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.129	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.181	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0697	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0923	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.137	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0944	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.185	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.145	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0885	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.157	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
218-01-9	Chrysene	**0.312**		mg/kg dry	0.123	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.108	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.125	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.109	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.175	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR

Sample Information

Client Sample ID: MW-6 (0-2) **York Sample ID:** 13E0711-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:00 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.165	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0848	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.141	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.219	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.168	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.188	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.120	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.338	0.537	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.234	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.225	0.537	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.138	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.119	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.268	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
206-44-0	Fluoranthene	**0.362**		mg/kg dry	0.157	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.129	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.158	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0907	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.200	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0767	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.122	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0923	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.206	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.102	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.116	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0660	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.267	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.111	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0789	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.101	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0730	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0896	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.110	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR

Sample Information

Client Sample ID: MW-6 (0-2) **York Sample ID:** 13E0711-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:00 pm	05/21/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.121	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.202	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
85-01-8	Phenanthrene	**0.167**	J	mg/kg dry	0.140	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.116	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
129-00-0	Pyrene	**0.486**		mg/kg dry	0.109	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.188	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0971	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.208	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.136	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 17:39	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*63.7 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*52.2 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*26.7 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*33.8 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*43.4 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*98.8 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	mg/kg dry	0.134	0.134	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
72-43-5	Methoxychlor	ND	U	mg/kg dry	0.0133	0.0133	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
1024-57-3	Heptachlor epoxide	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
76-44-8	Heptachlor	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
58-89-9	gamma-BHC (Lindane)	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
53494-70-5	Endrin ketone	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
7421-93-4	Endrin aldehyde	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
72-20-8	Endrin	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
1031-07-8	Endosulfan sulfate	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
33213-65-9	Endosulfan II	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
959-98-8	Endosulfan I	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
60-57-1	Dieldrin	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
319-86-8	delta-BHC	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
57-74-9	Chlordane, total	ND	U	mg/kg dry	0.0106	0.0106	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
319-85-7	beta-BHC	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW

Sample Information

Client Sample ID: MW-6 (0-2) **York Sample ID:** 13E0711-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:00 pm	05/21/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
309-00-2	Aldrin	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
50-29-3	4,4'-DDT	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
72-55-9	4,4'-DDE	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
72-54-8	4,4'-DDD	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:23	JW
11096-82-5	Aroclor 1260	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 12:41	JW
11097-69-1	Aroclor 1254	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 12:41	JW
12672-29-6	Aroclor 1248	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 12:41	JW
53469-21-9	Aroclor 1242	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 12:41	JW
11141-16-5	Aroclor 1232	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 12:41	JW
11104-28-2	Aroclor 1221	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 12:41	JW
12674-11-2	Aroclor 1016	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 12:41	JW
1336-36-3	Total PCBs	ND	U	mg/kg dry	0.0109	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 12:41	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.6 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*63.4 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**8150**		mg/kg dry	1.09	2.15	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.236	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-38-2	Arsenic	**3.66**		mg/kg dry	0.365	1.07	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-39-3	Barium	**244**		mg/kg dry	0.139	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.107	0.107	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.107	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-70-2	Calcium	**7170**		mg/kg dry	0.043	5.37	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-47-3	Chromium	**25.6**		mg/kg dry	0.129	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-48-4	Cobalt	**8.14**		mg/kg dry	0.086	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-50-8	Copper	**29.6**		mg/kg dry	0.129	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7439-89-6	Iron	**13900**		mg/kg dry	0.697	2.15	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7439-92-1	Lead	**134**		mg/kg dry	0.182	0.322	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7439-95-4	Magnesium	**5180**		mg/kg dry	0.483	5.37	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7439-96-5	Manganese	**210**		mg/kg dry	0.118	1.07	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-02-0	Nickel	**21.4**		mg/kg dry	0.139	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW

Sample Information

Client Sample ID: MW-6 (0-2) **York Sample ID:** 13E0711-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:00 pm	05/21/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	**2220**	B	mg/kg dry	3.63	10.7	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7782-49-2	Selenium	ND	U	mg/kg dry	0.537	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.107	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-23-5	Sodium	**284**	B	mg/kg dry	5.65	10.7	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.343	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-62-2	Vanadium	**27.4**		mg/kg dry	0.118	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW
7440-66-6	Zinc	**112**		mg/kg dry	0.097	0.537	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:39	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0354	0.0354	1	EPA SW846-7471	05/22/2013 15:05	05/23/2013 09:05	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**93.2**		%	0.100	0.100	1	SM 2540G	05/22/2013 12:11	05/23/2013 09:58	AMC

Sample Information

Client Sample ID: MW-6 (9-11) **York Sample ID:** 13E0711-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:18 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS

Sample Information

Client Sample ID: MW-6 (9-11) **York Sample ID:** 13E0711-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:18 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.054	0.11	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
67-64-1	Acetone	ND	U	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
74-83-9	Bromomethane	**0.011**		mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS

Sample Information

Client Sample ID: MW-6 (9-11) **York Sample ID:** 13E0711-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:18 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
75-09-2	Methylene chloride	**0.017**		mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0054	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0081	0.016	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 09:53	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*89.4 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*84-117*

Sample Information

Client Sample ID: MW-6 (9-11) **York Sample ID:** 13E0711-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:18 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.107	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.141	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.168	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.161	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
56-55-3	Benzo(a)anthracene	ND	U	mg/kg dry	0.110	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
50-32-8	Benzo(a)pyrene	ND	U	mg/kg dry	0.117	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.247	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0977	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.294	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.294	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.162	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.142	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.198	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0765	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.101	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.150	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.104	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.203	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.159	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0971	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.172	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
218-01-9	Chrysene	ND	U	mg/kg dry	0.135	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.118	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.137	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.119	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.192	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.181	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0930	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.154	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.240	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.185	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.206	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR

Sample Information

Client Sample ID: MW-6 (9-11) **York Sample ID:** 13E0711-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:18 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.131	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.371	0.588	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.257	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.247	0.588	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.151	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.130	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.294	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
206-44-0	Fluoranthene	ND	U	mg/kg dry	0.172	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.141	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.174	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0994	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.219	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0841	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.134	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.101	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.226	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.112	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.128	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0724	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.292	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.122	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0865	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.111	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0800	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0983	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.121	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.133	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.222	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
85-01-8	Phenanthrene	ND	U	mg/kg dry	0.154	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.127	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
129-00-0	Pyrene	ND	U	mg/kg dry	0.120	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.207	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR

Sample Information

Client Sample ID: MW-6 (9-11) **York Sample ID:** 13E0711-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:18 pm	05/21/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.107	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.228	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.149	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:10	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*54.8 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*49.9 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*35.0 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*34.1 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*46.3 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*91.4 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 13:11	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 13:11	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 13:11	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 13:11	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 13:11	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 13:11	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 13:11	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 13:11	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*75.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*77.6 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**5460**		mg/kg dry	1.20	2.35	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.259	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-38-2	Arsenic	**6.06**		mg/kg dry	0.400	1.18	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-39-3	Barium	**52.1**		mg/kg dry	0.153	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.118	0.118	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.118	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-70-2	Calcium	**9570**		mg/kg dry	0.047	5.88	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW

Sample Information

Client Sample ID: MW-6 (9-11) **York Sample ID:** 13E0711-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 3:18 pm	05/21/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	**13.4**		mg/kg dry	0.141	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-48-4	Cobalt	**6.35**		mg/kg dry	0.094	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-50-8	Copper	**12.7**		mg/kg dry	0.141	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7439-89-6	Iron	**10800**		mg/kg dry	0.765	2.35	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7439-92-1	Lead	**4.57**		mg/kg dry	0.200	0.353	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7439-95-4	Magnesium	**7160**		mg/kg dry	0.530	5.88	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7439-96-5	Manganese	**286**		mg/kg dry	0.129	1.18	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-02-0	Nickel	**23.6**		mg/kg dry	0.153	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-09-7	Potassium	**1500**	B	mg/kg dry	3.98	11.8	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7782-49-2	Selenium	ND	U	mg/kg dry	0.588	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.118	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-23-5	Sodium	**219**	B	mg/kg dry	6.20	11.8	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.377	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-62-2	Vanadium	**18.2**		mg/kg dry	0.129	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW
7440-66-6	Zinc	**27.2**		mg/kg dry	0.106	0.588	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:43	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0388	0.0388	1	EPA SW846-7471	05/22/2013 15:05	05/23/2013 09:05	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**85.0**		%	0.100	0.100	1	SM 2540G	05/22/2013 12:11	05/23/2013 09:58	AMC

Sample Information

Client Sample ID: MW-8 (0.5-2.5) **York Sample ID:** 13E0711-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:00 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS

Sample Information

Client Sample ID: MW-8 (0.5-2.5) **York Sample ID:** 13E0711-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:00 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.057	0.11	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
67-64-1	Acetone	ND	U	mg/kg dry	0.0029	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
74-83-9	Bromomethane	**0.012**		mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS

Sample Information

Client Sample ID: MW-8 (0.5-2.5) **York Sample ID:** 13E0711-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:00 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
75-09-2	Methylene chloride	**0.016**		mg/kg dry	0.0029	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0029	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0057	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0086	0.017	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0029	0.0057	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 10:41	SS

Sample Information

Client Sample ID: MW-8 (0.5-2.5) **York Sample ID:** 13E0711-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:00 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*119 %*		*73-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.7 %*		*72-127*							
2037-26-5	*Surrogate: Toluene-d8*	*105 %*		*84-117*							

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0971	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.129	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.153	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.146	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
56-55-3	Benzo(a)anthracene	**0.570**		mg/kg dry	0.100	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
50-32-8	Benzo(a)pyrene	**0.689**		mg/kg dry	0.106	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
205-99-2	Benzo(b)fluoranthene	**0.505**		mg/kg dry	0.225	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
191-24-2	Benzo(g,h,i)perylene	**0.0896**	J	mg/kg dry	0.0891	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.268	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
207-08-9	Benzo(k)fluoranthene	**0.617**		mg/kg dry	0.268	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.148	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.129	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.181	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0697	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0923	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.137	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0944	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.185	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.145	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0885	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.157	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
218-01-9	Chrysene	**0.633**		mg/kg dry	0.123	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.108	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.125	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.109	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.175	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR

Sample Information

Client Sample ID: MW-8 (0.5-2.5) **York Sample ID:** 13E0711-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:00 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.165	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0848	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.141	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.219	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.168	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.188	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.120	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.234	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.338	0.536	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.225	0.536	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.138	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.119	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.268	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
206-44-0	Fluoranthene	**0.941**		mg/kg dry	0.157	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.129	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.158	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0907	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.200	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0767	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
193-39-5	Indeno(1,2,3-cd)pyrene	**0.140**	J	mg/kg dry	0.122	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0923	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.206	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.102	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.116	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0660	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.267	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.111	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0789	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.101	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0730	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0896	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.110	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR

Sample Information

Client Sample ID: MW-8 (0.5-2.5) **York Sample ID:** 13E0711-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:00 pm	05/21/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.121	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.202	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
85-01-8	Phenanthrene	**0.667**		mg/kg dry	0.140	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.116	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
129-00-0	Pyrene	**1.20**		mg/kg dry	0.109	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.188	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0971	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.208	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.136	0.268	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 18:41	SR

	Surrogate Recoveries	Result		Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*69.4 %*		*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*54.5 %*		*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*33.0 %*		*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*27.9 %*	*S-BN*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*47.9 %*		*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*100 %*		*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	mg/kg dry	0.134	0.134	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
72-43-5	Methoxychlor	ND	U	mg/kg dry	0.0133	0.0133	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
1024-57-3	Heptachlor epoxide	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
76-44-8	Heptachlor	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
58-89-9	gamma-BHC (Lindane)	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
53494-70-5	Endrin ketone	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
7421-93-4	Endrin aldehyde	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
72-20-8	Endrin	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
1031-07-8	Endosulfan sulfate	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
33213-65-9	Endosulfan II	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
959-98-8	Endosulfan I	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
60-57-1	Dieldrin	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
319-86-8	delta-BHC	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
57-74-9	Chlordane, total	ND	U	mg/kg dry	0.0106	0.0106	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
319-85-7	beta-BHC	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW

Sample Information

Client Sample ID: MW-8 (0.5-2.5) **York Sample ID:** 13E0711-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:00 pm	05/21/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
309-00-2	Aldrin	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
50-29-3	4,4'-DDT	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
72-55-9	4,4'-DDE	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
72-54-8	4,4'-DDD	ND	U	mg/kg dry	0.00266	0.00266	5	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 11:38	JW
11096-82-5	Aroclor 1260	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 13:40	JW
11097-69-1	Aroclor 1254	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 13:40	JW
12672-29-6	Aroclor 1248	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 13:40	JW
53469-21-9	Aroclor 1242	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 13:40	JW
11141-16-5	Aroclor 1232	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 13:40	JW
11104-28-2	Aroclor 1221	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 13:40	JW
12674-11-2	Aroclor 1016	ND	U	mg/kg dry	0.0274	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 13:40	JW
1336-36-3	Total PCBs	ND	U	mg/kg dry	0.0109	0.0274	1	EPA SW 846-8081/8082	05/22/2013 14:35	05/23/2013 13:40	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*65.0 %*	*30-150*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**12700**		mg/kg dry	1.09	2.15	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.236	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-38-2	Arsenic	**4.65**		mg/kg dry	0.365	1.07	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-39-3	Barium	**226**		mg/kg dry	0.139	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.107	0.107	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.107	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-70-2	Calcium	**11200**		mg/kg dry	0.043	5.36	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-47-3	Chromium	**19.7**		mg/kg dry	0.129	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-48-4	Cobalt	**11.7**		mg/kg dry	0.086	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-50-8	Copper	**27.6**		mg/kg dry	0.129	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7439-89-6	Iron	**26100**	E	mg/kg dry	0.697	2.15	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7439-92-1	Lead	**155**		mg/kg dry	0.182	0.322	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7439-95-4	Magnesium	**6690**		mg/kg dry	0.483	5.36	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7439-96-5	Manganese	**321**		mg/kg dry	0.118	1.07	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-02-0	Nickel	**21.5**		mg/kg dry	0.139	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW

Sample Information

Client Sample ID: MW-8 (0.5-2.5) **York Sample ID:** 13E0711-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:00 pm	05/21/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	**5340**	B	mg/kg dry	3.63	10.7	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7782-49-2	Selenium	**1.39**		mg/kg dry	0.536	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.107	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-23-5	Sodium	**426**	B	mg/kg dry	5.65	10.7	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.343	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-62-2	Vanadium	**47.9**		mg/kg dry	0.118	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW
7440-66-6	Zinc	**203**		mg/kg dry	0.097	0.536	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:48	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0354	0.0354	1	EPA SW846-7471	05/22/2013 15:05	05/23/2013 09:05	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**93.2**		%	0.100	0.100	1	SM 2540G	05/22/2013 12:11	05/23/2013 09:58	AMC

Sample Information

Client Sample ID: MW-8 (7.5-9.5) **York Sample ID:** 13E0711-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:10 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS

Sample Information

Client Sample ID: MW-8 (7.5-9.5) **York Sample ID:** 13E0711-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:10 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.054	0.11	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
67-64-1	Acetone	ND	U	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
74-83-9	Bromomethane	**0.0059**		mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS

Sample Information

Client Sample ID: **MW-8 (7.5-9.5)** **York Sample ID:** **13E0711-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:10 pm	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
75-09-2	Methylene chloride	**0.016**		mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0054	0.011	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0081	0.016	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/22/2013 14:10	05/23/2013 11:29	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*124 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.4 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*84-117*

Sample Information

Client Sample ID: MW-8 (7.5-9.5) **York Sample ID:** 13E0711-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:10 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.107	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.141	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.168	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.161	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
56-55-3	Benzo(a)anthracene	ND	U	mg/kg dry	0.110	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
50-32-8	Benzo(a)pyrene	ND	U	mg/kg dry	0.117	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.247	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0977	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.294	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.294	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.163	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.142	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.198	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0765	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.101	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.150	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.104	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.203	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.159	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0972	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.173	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
218-01-9	Chrysene	ND	U	mg/kg dry	0.135	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.118	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.137	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.120	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.193	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.181	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0930	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.154	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.240	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.185	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.206	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR

Sample Information

Client Sample ID: MW-8 (7.5-9.5) **York Sample ID:** 13E0711-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:10 pm	05/21/2013

Semi-Volatiles, 8270 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.131	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.257	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.371	0.589	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.247	0.589	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.151	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.130	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.294	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
206-44-0	Fluoranthene	ND	U	mg/kg dry	0.173	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.141	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.174	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0995	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.219	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0842	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.134	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.101	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.226	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.112	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.128	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0724	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.293	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.122	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0866	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.111	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0801	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0983	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.121	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.133	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.222	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
85-01-8	Phenanthrene	ND	U	mg/kg dry	0.154	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.127	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
129-00-0	Pyrene	ND	U	mg/kg dry	0.120	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.207	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR

Sample Information

Client Sample ID: MW-8 (7.5-9.5) **York Sample ID:** 13E0711-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:10 pm	05/21/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.107	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.228	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.150	0.294	1	EPA SW-846 8270C	05/22/2013 14:29	05/23/2013 19:12	SR

	Surrogate Recoveries	Result		Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*60.5 %*		*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*55.0 %*		*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*40.6 %*		*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*29.3 %*	*S-BN*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*55.4 %*		*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*94.6 %*		*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 14:09	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 14:09	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 14:09	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 14:09	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 14:09	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 14:09	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 14:09	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.0300	0.0300	1	EPA SW 846-8082A	05/22/2013 14:35	05/23/2013 14:09	JW

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*77.0 %*		*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*77.1 %*		*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**8380**		mg/kg dry	1.20	2.36	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.259	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-38-2	Arsenic	**3.09**		mg/kg dry	0.400	1.18	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-39-3	Barium	**64.9**		mg/kg dry	0.153	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.118	0.118	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.118	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-70-2	Calcium	**5190**		mg/kg dry	0.047	5.89	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW

Sample Information

Client Sample ID: MW-8 (7.5-9.5) **York Sample ID:** 13E0711-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Soil	May 20, 2013 2:10 pm	05/21/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	**13.6**		mg/kg dry	0.141	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-48-4	Cobalt	**6.28**		mg/kg dry	0.094	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-50-8	Copper	**9.68**		mg/kg dry	0.141	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7439-89-6	Iron	**17300**		mg/kg dry	0.765	2.36	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7439-92-1	Lead	**7.88**		mg/kg dry	0.200	0.353	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7439-95-4	Magnesium	**3000**		mg/kg dry	0.530	5.89	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7439-96-5	Manganese	**115**		mg/kg dry	0.130	1.18	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-02-0	Nickel	**16.5**		mg/kg dry	0.153	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-09-7	Potassium	**768**	B	mg/kg dry	3.98	11.8	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7782-49-2	Selenium	**0.780**		mg/kg dry	0.589	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.118	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-23-5	Sodium	**205**	B	mg/kg dry	6.21	11.8	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.377	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-62-2	Vanadium	**18.3**		mg/kg dry	0.130	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW
7440-66-6	Zinc	**37.6**		mg/kg dry	0.106	0.589	1	EPA SW846-6010B	05/22/2013 14:56	05/22/2013 23:53	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0389	0.0389	1	EPA SW846-7471	05/22/2013 15:05	05/23/2013 09:05	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**84.9**		%	0.100	0.100	1	SM 2540G	05/22/2013 12:11	05/23/2013 09:58	AMC

Sample Information

Client Sample ID: TB-052113 **York Sample ID:** 13E0711-09

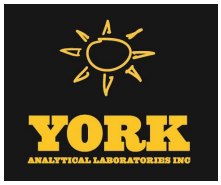
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Water	May 21, 2013 12:00 am	05/21/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS



Sample Information

Client Sample ID: TB-052113 **York Sample ID:** 13E0711-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Water	May 21, 2013 12:00 am	05/21/2013

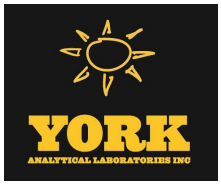
Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
74-83-9	Bromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS



Sample Information

Client Sample ID: TB-052113 **York Sample ID:** 13E0711-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Water	May 21, 2013 12:00 am	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
75-09-2	Methylene chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 11:55	05/23/2013 18:08	SS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: TB-052113 **York Sample ID:** 13E0711-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0711	170246501	Water	May 21, 2013 12:00 am	05/21/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*			*72.6-129*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*			*63.5-145*						
2037-26-5	*Surrogate: Toluene-d8*	*102 %*			*81.2-127*						

Analytical Batch Summary

Batch ID: BE31025 **Preparation Method:** % Solids Prep **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
13E0711-01	MW-7 (1-5)	05/22/13
13E0711-02	MW-7 (7-9)	05/22/13
13E0711-03	MW-9 (0-2)	05/22/13
13E0711-04	MW-9 (6-8)	05/22/13
13E0711-05	MW-6 (0-2)	05/22/13
13E0711-06	MW-6 (9-11)	05/22/13
13E0711-07	MW-8 (0.5-2.5)	05/22/13
13E0711-08	MW-8 (7.5-9.5)	05/22/13

Batch ID: BE31031 **Preparation Method:** EPA 3550B **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
13E0711-01	MW-7 (1-5)	05/22/13
13E0711-02	MW-7 (7-9)	05/22/13
13E0711-03	MW-9 (0-2)	05/22/13
13E0711-04	MW-9 (6-8)	05/22/13
13E0711-05	MW-6 (0-2)	05/22/13
13E0711-06	MW-6 (9-11)	05/22/13
13E0711-07	MW-8 (0.5-2.5)	05/22/13
13E0711-08	MW-8 (7.5-9.5)	05/22/13
BE31031-BLK1	Blank	05/22/13
BE31031-BS1	LCS	05/22/13
BE31031-BSD1	LCS Dup	05/22/13
BE31031-MS1	Matrix Spike	05/22/13

Batch ID: BE31033 **Preparation Method:** EPA 3550B **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
13E0711-01	MW-7 (1-5)	05/22/13
13E0711-02	MW-7 (7-9)	05/22/13
13E0711-03	MW-9 (0-2)	05/22/13
13E0711-04	MW-9 (6-8)	05/22/13
13E0711-05	MW-6 (0-2)	05/22/13
13E0711-06	MW-6 (9-11)	05/22/13
13E0711-07	MW-8 (0.5-2.5)	05/22/13
13E0711-08	MW-8 (7.5-9.5)	05/22/13
BE31033-BLK1	Blank	05/22/13
BE31033-BLK1	Blank	05/22/13
BE31033-BS1	LCS	05/22/13
BE31033-BS2	LCS	05/22/13
BE31033-BS2	LCS	05/22/13
BE31033-BSD1	LCS Dup	05/22/13
BE31033-BSD2	LCS Dup	05/22/13
BE31033-BSD2	LCS Dup	05/22/13
BE31033-MS1	Matrix Spike	05/22/13
BE31033-MS2	Matrix Spike	05/22/13

Batch ID: BE31035 **Preparation Method:** EPA 5035A **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13E0711-01	MW-7 (1-5)	05/22/13
13E0711-02	MW-7 (7-9)	05/22/13
13E0711-03	MW-9 (0-2)	05/22/13
13E0711-04	MW-9 (6-8)	05/22/13
13E0711-05	MW-6 (0-2)	05/22/13
13E0711-06	MW-6 (9-11)	05/22/13
13E0711-07	MW-8 (0.5-2.5)	05/22/13
13E0711-08	MW-8 (7.5-9.5)	05/22/13
BE31035-BLK1	Blank	05/22/13
BE31035-BS1	LCS	05/22/13
BE31035-BSD1	LCS Dup	05/22/13
BE31035-MS1	Matrix Spike	05/22/13

Batch ID: BE31041 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0711-01	MW-7 (1-5)	05/22/13
13E0711-02	MW-7 (7-9)	05/22/13
13E0711-03	MW-9 (0-2)	05/22/13
13E0711-04	MW-9 (6-8)	05/22/13
13E0711-05	MW-6 (0-2)	05/22/13
13E0711-06	MW-6 (9-11)	05/22/13
13E0711-07	MW-8 (0.5-2.5)	05/22/13
13E0711-08	MW-8 (7.5-9.5)	05/22/13
BE31041-BLK1	Blank	05/22/13
BE31041-DUP1	Duplicate	05/22/13
BE31041-MS1	Matrix Spike	05/22/13
BE31041-SRM1	Reference	05/22/13

Batch ID: BE31043 **Preparation Method:** EPA SW846-7471 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13E0711-01	MW-7 (1-5)	05/22/13
13E0711-02	MW-7 (7-9)	05/22/13
13E0711-03	MW-9 (0-2)	05/22/13
13E0711-04	MW-9 (6-8)	05/22/13
13E0711-05	MW-6 (0-2)	05/22/13
13E0711-06	MW-6 (9-11)	05/22/13
13E0711-07	MW-8 (0.5-2.5)	05/22/13
13E0711-08	MW-8 (7.5-9.5)	05/22/13
BE31043-BLK1	Blank	05/22/13
BE31043-BS1	LCS	05/22/13
BE31043-DUP1	Duplicate	05/22/13
BE31043-MS1	Matrix Spike	05/22/13

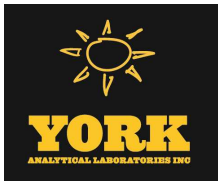
Batch ID: BE31080 **Preparation Method:** EPA 5030B **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13E0711-09	TB-052113	05/23/13
BE31080-BLK1	Blank	05/23/13
BE31080-BS1	LCS	05/23/13
BE31080-BSD1	LCS Dup	05/23/13

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

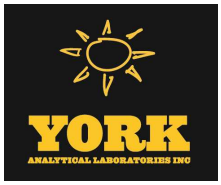
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31035 - EPA 5035A											
Blank (BE31035-BLK1)											
Prepared: 05/22/2013 Analyzed: 05/23/2013											
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	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	"								
4-Chlorotoluene	ND	0.0050	"								
Acetone	ND	0.010	"								
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 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	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	0.0025	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								



Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

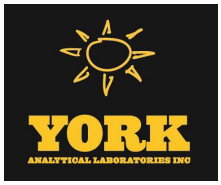
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31035 - EPA 5035A											
Blank (BE31035-BLK1)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
o-Xylene	ND	0.0050	mg/kg wet								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Vinyl acetate	ND	0.0050	"								
Surrogate: 1,2-Dichloroethane-d4	*57.3*		*ug/L*	*50.0*		*115*	*73-130*				
Surrogate: p-Bromofluorobenzene	*48.9*		*"*	*50.0*		*97.7*	*72-127*				
Surrogate: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*84-117*				
LCS (BE31035-BS1)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		105	72-132				
1,1,1-Trichloroethane	41		"	50.0		81.4	77-131				
1,1,2,2-Tetrachloroethane	52		"	50.0		105	68-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	37		"	50.0		74.7	75-143	Low Bias			
1,1,2-Trichloroethane	52		"	50.0		105	72-128				
1,1-Dichloroethane	40		"	50.0		79.7	78-133				
1,1-Dichloroethylene	38		"	50.0		76.5	71-142				
1,1-Dichloropropylene	41		"	50.0		81.4	77-124				
1,2,3-Trichlorobenzene	50		"	50.0		99.6	65-134				
1,2,3-Trichloropropane	51		"	50.0		103	65-127				
1,2,4-Trichlorobenzene	47		"	50.0		93.7	59-133				
1,2,4-Trimethylbenzene	47		"	50.0		94.6	68-128				
1,2-Dibromo-3-chloropropane	68		"	50.0		137	58-145				
1,2-Dibromoethane	54		"	50.0		107	73-128				
1,2-Dichlorobenzene	49		"	50.0		98.4	69-126				
1,2-Dichloroethane	53		"	50.0		106	78-131				
1,2-Dichloropropane	57		"	50.0		114	72-129				
1,3,5-Trimethylbenzene	49		"	50.0		97.3	67-125				
1,3-Dichlorobenzene	48		"	50.0		95.4	67-125				
1,3-Dichloropropane	53		"	50.0		106	73-126				
1,4-Dichlorobenzene	48		"	50.0		96.4	67-127				
1,4-Dioxane	56		"	50.0		112	10-265				
2,2-Dichloropropane	36		"	50.0		72.5	68-133				
2-Butanone	47		"	50.0		93.5	49-138				
2-Chlorotoluene	47		"	50.0		93.6	61-121				
4-Chlorotoluene	49		"	50.0		97.2	65-126				
Acetone	31		"	50.0		61.1	21-131				
Benzene	45		"	50.0		90.3	81-125				
Bromobenzene	51		"	50.0		102	65-125				
Bromochloromethane	43		"	50.0		86.5	78-127				
Bromodichloromethane	57		"	50.0		114	73-131				
Bromoform	56		"	50.0		113	66-137				



Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31035 - EPA 5035A											
LCS (BE31035-BS1)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
Bromomethane	36		ug/L	50.0		72.8	55-144				
Carbon tetrachloride	48		"	50.0		96.3	74-137				
Chlorobenzene	49		"	50.0		98.2	75-127				
Chloroethane	37		"	50.0		73.8	65-138				
Chloroform	41		"	50.0		82.3	82-128				
Chloromethane	20		"	50.0		39.7	51-138	Low Bias			
cis-1,2-Dichloroethylene	41		"	50.0		81.4	77-130				
cis-1,3-Dichloropropylene	53		"	50.0		106	68-123				
Dibromochloromethane	56		"	50.0		113	73-136				
Dibromomethane	60		"	50.0		120	75-131				
Dichlorodifluoromethane	15		"	50.0		30.3	10-183				
Ethyl Benzene	52		"	50.0		103	75-130				
Hexachlorobutadiene	48		"	50.0		95.5	59-130				
Isopropylbenzene	48		"	50.0		96.3	68-135				
Methyl tert-butyl ether (MTBE)	43		"	50.0		86.4	76-136				
Methylene chloride	39		"	50.0		77.3	55-143				
Naphthalene	54		"	50.0		109	65-140				
n-Butylbenzene	46		"	50.0		92.6	63-123				
n-Propylbenzene	48		"	50.0		95.3	65-127				
o-Xylene	49		"	50.0		97.8	71-123				
p- & m- Xylenes	100		"	100		100	72-127				
p-Isopropyltoluene	48		"	50.0		95.3	69-128				
sec-Butylbenzene	49		"	50.0		98.2	69-125				
Styrene	51		"	50.0		102	74-127				
tert-Butylbenzene	46		"	50.0		91.3	59-164				
Tetrachloroethylene	69		"	50.0		137	65-151				
Toluene	50		"	50.0		99.7	72-127				
trans-1,2-Dichloroethylene	40		"	50.0		79.2	73-137				
trans-1,3-Dichloropropylene	51		"	50.0		101	67-131				
Trichloroethylene	58		"	50.0		117	73-129				
Trichlorofluoromethane	35		"	50.0		69.2	69-136				
Vinyl Chloride	28		"	50.0		56.4	58-132	Low Bias			
Vinyl acetate	29		"	50.0		57.8	10-84				
Surrogate: 1,2-Dichloroethane-d4	*51.9*		*"*	*50.0*		*104*	*73-130*				
Surrogate: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.6*	*72-127*				
Surrogate: Toluene-d8	*51.6*		*"*	*50.0*		*103*	*84-117*				



Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31035 - EPA 5035A											
LCS Dup (BE31035-BSD1)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		107	72-132		1.74	30	
1,1,1-Trichloroethane	43		"	50.0		85.1	77-131		4.35	30	
1,1,2,2-Tetrachloroethane	52		"	50.0		105	68-129		0.363	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41		"	50.0		81.1	75-143		8.19	30	
1,1,2-Trichloroethane	51		"	50.0		103	72-128		1.80	30	
1,1-Dichloroethane	43		"	50.0		86.3	78-133		7.93	30	
1,1-Dichloroethylene	39		"	50.0		79.0	71-142		3.16	30	
1,1-Dichloropropylene	40		"	50.0		79.3	77-124		2.61	30	
1,2,3-Trichlorobenzene	51		"	50.0		102	65-134		2.42	30	
1,2,3-Trichloropropane	53		"	50.0		106	65-127		2.80	30	
1,2,4-Trichlorobenzene	48		"	50.0		96.6	59-133		3.09	30	
1,2,4-Trimethylbenzene	47		"	50.0		94.3	68-128		0.381	30	
1,2-Dibromo-3-chloropropane	69		"	50.0		137	58-145		0.496	30	
1,2-Dibromoethane	54		"	50.0		108	73-128		0.130	30	
1,2-Dichlorobenzene	50		"	50.0		101	69-126		2.21	30	
1,2-Dichloroethane	48		"	50.0		96.2	78-131		9.60	30	
1,2-Dichloropropane	55		"	50.0		110	72-129		3.69	30	
1,3,5-Trimethylbenzene	48		"	50.0		95.8	67-125		1.55	30	
1,3-Dichlorobenzene	48		"	50.0		95.3	67-125		0.168	30	
1,3-Dichloropropane	53		"	50.0		106	73-126		0.264	30	
1,4-Dichlorobenzene	48		"	50.0		95.6	67-127		0.854	30	
1,4-Dioxane	41		"	50.0		82.8	10-265		29.6	30	
2,2-Dichloropropane	37		"	50.0		74.5	68-133		2.72	30	
2-Butanone	49		"	50.0		98.1	49-138		4.82	30	
2-Chlorotoluene	46		"	50.0		92.2	61-121		1.59	30	
4-Chlorotoluene	48		"	50.0		96.4	65-126		0.868	30	
Acetone	30		"	50.0		60.8	21-131		0.492	30	
Benzene	41		"	50.0		82.7	81-125		8.83	30	
Bromobenzene	50		"	50.0		99.4	65-125		2.09	30	
Bromochloromethane	43		"	50.0		85.6	78-127		1.07	30	
Bromodichloromethane	56		"	50.0		113	73-131		1.07	30	
Bromoform	55		"	50.0		109	66-137		3.10	30	
Bromomethane	41		"	50.0		82.8	55-144		12.8	30	
Carbon tetrachloride	44		"	50.0		87.6	74-137		9.46	30	
Chlorobenzene	50		"	50.0		99.6	75-127		1.46	30	
Chloroethane	37		"	50.0		73.0	65-138		1.06	30	
Chloroform	43		"	50.0		85.3	82-128		3.63	30	
Chloromethane	20		"	50.0		39.9	51-138	Low Bias	0.553	30	
cis-1,2-Dichloroethylene	42		"	50.0		85.0	77-130		4.28	30	
cis-1,3-Dichloropropylene	54		"	50.0		108	68-123		2.19	30	
Dibromochloromethane	58		"	50.0		115	73-136		2.09	30	
Dibromomethane	59		"	50.0		118	75-131		1.83	30	
Dichlorodifluoromethane	15		"	50.0		30.0	10-183		0.796	30	
Ethyl Benzene	52		"	50.0		104	75-130		0.658	30	
Hexachlorobutadiene	49		"	50.0		98.7	59-130		3.32	30	
Isopropylbenzene	47		"	50.0		94.0	68-135		2.33	30	
Methyl tert-butyl ether (MTBE)	46		"	50.0		91.2	76-136		5.45	30	
Methylene chloride	41		"	50.0		81.4	55-143		5.14	30	
Naphthalene	55		"	50.0		109	65-140		0.422	30	
n-Butylbenzene	46		"	50.0		92.3	63-123		0.389	30	
n-Propylbenzene	47		"	50.0		94.7	65-127		0.589	30	

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31035 - EPA 5035A											
LCS Dup (BE31035-BSD1)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
o-Xylene	50		ug/L	50.0		100	71-123		2.62	30	
p- & m- Xylenes	100		"	100		103	72-127		2.54	30	
p-Isopropyltoluene	47		"	50.0		94.6	69-128		0.779	30	
sec-Butylbenzene	49		"	50.0		97.3	69-125		0.900	30	
Styrene	52		"	50.0		104	74-127		1.96	30	
tert-Butylbenzene	47		"	50.0		93.8	59-164		2.66	30	
Tetrachloroethylene	58		"	50.0		116	65-151		16.6	30	
Toluene	51		"	50.0		102	72-127		1.85	30	
trans-1,2-Dichloroethylene	40		"	50.0		80.7	73-137		1.88	30	
trans-1,3-Dichloropropylene	51		"	50.0		103	67-131		1.41	30	
Trichloroethylene	56		"	50.0		112	73-129		4.20	30	
Trichlorofluoromethane	36		"	50.0		71.7	69-136		3.63	30	
Vinyl Chloride	30		"	50.0		59.1	58-132		4.68	30	
Vinyl acetate	34		"	50.0		67.5	10-84		15.4	30	
Surrogate: 1,2-Dichloroethane-d4	*45.9*		*"*	*50.0*		*91.8*	*73-130*				
Surrogate: p-Bromofluorobenzene	*48.3*		*"*	*50.0*		*96.6*	*72-127*				
Surrogate: Toluene-d8	*50.5*		*"*	*50.0*		*101*	*84-117*				
Matrix Spike (BE31035-MS1)	*Source sample: 13E0711-01 (MW-7 (1-5))							Prepared: 05/22/2013 Analyzed: 05/23/2013			
1,1,1,2-Tetrachloroethane	49		ug/L	50.0	ND	97.2	48-129				
1,1,1-Trichloroethane	57		"	50.0	ND	115	60-128				
1,1,2,2-Tetrachloroethane	23		"	50.0	ND	46.8	20-143				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50		"	50.0	ND	101	52-129				
1,1,2-Trichloroethane	48		"	50.0	ND	95.9	53-126				
1,1-Dichloroethane	57		"	50.0	ND	114	62-129				
1,1-Dichloroethylene	51		"	50.0	ND	103	50-138				
1,1-Dichloropropylene	43		"	50.0	ND	86.8	49-120				
1,2,3-Trichlorobenzene	18		"	50.0	ND	36.3	10-120				
1,2,3-Trichloropropane	47		"	50.0	ND	93.7	42-132				
1,2,4-Trichlorobenzene	17		"	50.0	ND	34.7	10-113				
1,2,4-Trimethylbenzene	37		"	50.0	ND	73.4	10-173				
1,2-Dibromo-3-chloropropane	51		"	50.0	ND	103	16-151				
1,2-Dibromoethane	42		"	50.0	ND	83.6	37-134				
1,2-Dichlorobenzene	30		"	50.0	ND	60.6	12-121				
1,2-Dichloroethane	55		"	50.0	ND	110	53-133				
1,2-Dichloropropane	52		"	50.0	ND	105	58-126				
1,3,5-Trimethylbenzene	42		"	50.0	ND	83.0	10-155				
1,3-Dichlorobenzene	26		"	50.0	ND	52.7	12-116				
1,3-Dichloropropane	47		"	50.0	ND	94.2	50-127				
1,4-Dichlorobenzene	24		"	50.0	ND	48.3	9-118				
1,4-Dioxane	32		"	50.0	ND	63.7	10-249				
2,2-Dichloropropane	30		"	50.0	ND	60.9	47-119				
2-Butanone	46		"	50.0	ND	91.6	13-140				
2-Chlorotoluene	36		"	50.0	ND	71.7	24-115				
4-Chlorotoluene	33		"	50.0	ND	66.7	22-115				
Acetone	47		"	50.0	ND	93.8	10-130				
Benzene	46		"	50.0	ND	91.9	52-127				
Bromobenzene	35		"	50.0	ND	70.1	27-119				
Bromochloromethane	51		"	50.0	ND	103	52-129				
Bromodichloromethane	55		"	50.0	ND	111	50-132				
Bromoform	46		"	50.0	ND	91.4	31-138				
Bromomethane	47		"	50.0	18	58.5	20-141				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31035 - EPA 5035A											
Matrix Spike (BE31035-MS1)	*Source sample: 13E0711-01 (MW-7 (1-5))							Prepared: 05/22/2013 Analyzed: 05/23/2013			
Carbon tetrachloride	55		ug/L	50.0	ND	111	52-131				
Chlorobenzene	37		"	50.0	ND	74.4	36-125				
Chloroethane	44		"	50.0	ND	87.6	35-143				
Chloroform	58		"	50.0	ND	117	62-127				
Chloromethane	24		"	50.0	1.9	44.6	36-128				
cis-1,2-Dichloroethylene	49		"	50.0	ND	98.6	51-128				
cis-1,3-Dichloropropylene	38		"	50.0	ND	75.5	27-126				
Dibromochloromethane	49		"	50.0	ND	98.2	42-137				
Dibromomethane	58		"	50.0	ND	117	47-136				
Dichlorodifluoromethane	15		"	50.0	ND	30.3	10-143				
Ethyl Benzene	44		"	50.0	ND	87.6	32-131				
Hexachlorobutadiene	31		"	50.0	ND	62.7	10-109				
Isopropylbenzene	42		"	50.0	ND	84.4	21-143				
Methyl tert-butyl ether (MTBE)	51		"	50.0	ND	101	55-144				
Methylene chloride	52		"	50.0	20	63.2	17-147				
Naphthalene	17		"	50.0	1.6	31.2	10-142				
n-Butylbenzene	31		"	50.0	ND	61.3	10-116				
n-Propylbenzene	37		"	50.0	ND	73.5	70-130				
o-Xylene	42		"	50.0	ND	83.9	70-130				
p- & m- Xylenes	85		"	100	ND	84.5	70-130				
p-Isopropyltoluene	37		"	50.0	ND	73.8	70-130				
sec-Butylbenzene	40		"	50.0	ND	80.0	12-129				
Styrene	33		"	50.0	ND	66.1	13-130				
tert-Butylbenzene	38		"	50.0	ND	76.4	20-149				
Tetrachloroethylene	75		"	50.0	ND	151	26-179				
Toluene	45		"	50.0	ND	90.3	30-138				
trans-1,2-Dichloroethylene	46		"	50.0	ND	92.5	46-132				
trans-1,3-Dichloropropylene	32		"	50.0	ND	63.3	20-132				
Trichloroethylene	66		"	50.0	ND	131	31-152				
Trichlorofluoromethane	48		"	50.0	ND	95.9	50-129				
Vinyl Chloride	34		"	50.0	ND	68.0	41-124				
Vinyl acetate	1.1		"	50.0	ND	2.20	10-62	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	*63.0*		*"*	*50.0*		*126*	*73-130*				
Surrogate: p-Bromofluorobenzene	*49.3*		*"*	*50.0*		*98.5*	*72-127*				
Surrogate: Toluene-d8	*51.3*		*"*	*50.0*		*103*	*84-117*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31080 - EPA 5030B											
Blank (BE31080-BLK1)											Prepared & Analyzed: 05/23/2013
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	2.6	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	5.0	"								
Naphthalene	ND	5.0	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31080 - EPA 5030B											
Blank (BE31080-BLK1)									Prepared & Analyzed: 05/23/2013		
p- & m- Xylenes	ND	10	ug/L								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*55.6*		*"*	*50.0*		*111*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*50.0*		*"*	*50.0*		*100*	*63.5-145*				
Surrogate: Toluene-d8	*51.8*		*"*	*50.0*		*104*	*81.2-127*				
LCS (BE31080-BS1)									Prepared & Analyzed: 05/23/2013		
1,1,1,2-Tetrachloroethane	54		ug/L	50.0		108	82.3-130				
1,1,1-Trichloroethane	58		"	50.0		116	75.6-137				
1,1,2,2-Tetrachloroethane	52		"	50.0		104	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		108	71.1-129				
1,1,2-Trichloroethane	51		"	50.0		102	74.5-129				
1,1-Dichloroethane	52		"	50.0		104	79.6-132				
1,1-Dichloroethylene	53		"	50.0		107	80.2-146				
1,1-Dichloropropylene	51		"	50.0		102	75-136				
1,2,3-Trichlorobenzene	53		"	50.0		105	66.1-136				
1,2,3-Trichloropropane	52		"	50.0		104	63-131				
1,2,4-Trichlorobenzene	54		"	50.0		108	70.6-136				
1,2,4-Trimethylbenzene	50		"	50.0		101	75.3-135				
1,2-Dibromo-3-chloropropane	68		"	50.0		136	58.9-140				
1,2-Dibromoethane	53		"	50.0		106	79-130				
1,2-Dichlorobenzene	50		"	50.0		100	76.1-122				
1,2-Dichloroethane	57		"	50.0		113	74.6-132				
1,2-Dichloropropane	53		"	50.0		106	76.9-129				
1,3,5-Trimethylbenzene	53		"	50.0		105	70.6-127				
1,3-Dichlorobenzene	50		"	50.0		99.5	77-124				
1,3-Dichloropropane	52		"	50.0		105	75.8-126				
1,4-Dichlorobenzene	51		"	50.0		102	76.6-125				
2,2-Dichloropropane	57		"	50.0		114	69-133				
2-Butanone	45		"	50.0		89.2	70-130				
2-Chlorotoluene	50		"	50.0		101	66.3-119				
4-Chlorotoluene	53		"	50.0		106	69.2-127				
Acetone	38		"	50.0		76.7	70-130				
Benzene	49		"	50.0		98.8	76.2-129				
Bromobenzene	52		"	50.0		104	71.3-123				
Bromochloromethane	52		"	50.0		104	70.8-137				
Bromodichloromethane	59		"	50.0		118	79.7-134				
Bromoform	55		"	50.0		111	70.5-141				
Bromomethane	48		"	50.0		96.6	43.9-147				
Carbon tetrachloride	58		"	50.0		117	78.1-138				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31080 - EPA 5030B											
LCS (BE31080-BS1)							Prepared & Analyzed: 05/23/2013				
Chlorobenzene	52		ug/L	50.0		103	80.4-125				
Chloroethane	47		"	50.0		93.6	55.8-140				
Chloroform	55		"	50.0		109	76.6-133				
Chloromethane	29		"	50.0		58.0	48.8-115				
cis-1,2-Dichloroethylene	53		"	50.0		106	75.1-128				
cis-1,3-Dichloropropylene	56		"	50.0		111	74.5-128				
Dibromochloromethane	58		"	50.0		115	79.8-134				
Dibromomethane	56		"	50.0		113	79-130				
Dichlorodifluoromethane	38		"	50.0		77.0	47.1-101				
Ethyl Benzene	55		"	50.0		110	80.8-128				
Hexachlorobutadiene	55		"	50.0		111	64.8-128				
Isopropylbenzene	51		"	50.0		102	75.5-135				
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	65.1-140				
Methylene chloride	49		"	50.0		99.0	61.3-120				
Naphthalene	50		"	50.0		99.6	62.3-148				
n-Butylbenzene	51		"	50.0		102	67.2-123				
n-Propylbenzene	51		"	50.0		101	70.5-127				
o-Xylene	53		"	50.0		106	75.9-122				
p- & m- Xylenes	110		"	100		110	77.7-127				
p-Isopropyltoluene	52		"	50.0		103	75.6-129				
sec-Butylbenzene	52		"	50.0		105	71.5-125				
Styrene	53		"	50.0		106	77.8-123				
tert-Butylbenzene	51		"	50.0		103	75.9-151				
Tetrachloroethylene	52		"	50.0		104	63.6-167				
Toluene	53		"	50.0		106	77-123				
trans-1,2-Dichloroethylene	52		"	50.0		104	76.3-139				
trans-1,3-Dichloropropylene	55		"	50.0		109	72.5-137				
Trichloroethylene	57		"	50.0		114	77.9-130				
Trichlorofluoromethane	54		"	50.0		109	57.4-133				
Vinyl Chloride	42		"	50.0		84.4	54.9-124				
Vinyl acetate	37		"	50.0		74.8	70-130				
Surrogate: 1,2-Dichloroethane-d4	*57.0*		*"*	*50.0*		*114*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*63.5-145*				
Surrogate: Toluene-d8	*51.1*		*"*	*50.0*		*102*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31080 - EPA 5030B											
LCS Dup (BE31080-BSD1)								Prepared & Analyzed: 05/23/2013			
1,1,1,2-Tetrachloroethane	60		ug/L	50.0		119	82.3-130		9.67	21.1	
1,1,1-Trichloroethane	61		"	50.0		122	75.6-137		4.87	19.7	
1,1,2,2-Tetrachloroethane	54		"	50.0		107	71.3-131		2.44	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55		"	50.0		109	71.1-129		1.18	21.7	
1,1,2-Trichloroethane	55		"	50.0		111	74.5-129		8.03	20.3	
1,1-Dichloroethane	54		"	50.0		108	79.6-132		3.41	20.6	
1,1-Dichloroethylene	55		"	50.0		109	80.2-146		2.27	20	
1,1-Dichloropropylene	51		"	50.0		102	75-136		0.352	19.3	
1,2,3-Trichlorobenzene	56		"	50.0		113	66.1-136		6.85	21.6	
1,2,3-Trichloropropane	54		"	50.0		107	63-131		2.89	23.9	
1,2,4-Trichlorobenzene	57		"	50.0		113	70.6-136		4.80	21.7	
1,2,4-Trimethylbenzene	55		"	50.0		111	75.3-135		9.12	18.8	
1,2-Dibromo-3-chloropropane	68		"	50.0		136	58.9-140		0.441	27.7	
1,2-Dibromoethane	56		"	50.0		112	79-130		6.05	23	
1,2-Dichlorobenzene	56		"	50.0		112	76.1-122		11.0	19.8	
1,2-Dichloroethane	57		"	50.0		114	74.6-132		1.00	20.2	
1,2-Dichloropropane	52		"	50.0		104	76.9-129		2.09	20.7	
1,3,5-Trimethylbenzene	56		"	50.0		113	70.6-127		6.62	18.9	
1,3-Dichlorobenzene	54		"	50.0		108	77-124		8.18	19.2	
1,3-Dichloropropane	56		"	50.0		111	75.8-126		6.17	22.1	
1,4-Dichlorobenzene	54		"	50.0		108	76.6-125		5.83	18.6	
2,2-Dichloropropane	58		"	50.0		115	69-133		1.15	19.8	
2-Butanone	49		"	50.0		98.9	70-130		10.4	30	
2-Chlorotoluene	55		"	50.0		110	66.3-119		8.51	21.6	
4-Chlorotoluene	57		"	50.0		114	69.2-127		7.00	19	
Acetone	30		"	50.0		60.0	70-130	Low Bias	24.4	30	
Benzene	51		"	50.0		101	76.2-129		2.38	19	
Bromobenzene	56		"	50.0		112	71.3-123		7.39	20.3	
Bromochloromethane	54		"	50.0		108	70.8-137		3.91	23.9	
Bromodichloromethane	62		"	50.0		123	79.7-134		4.18	21	
Bromoform	58		"	50.0		116	70.5-141		4.47	21.8	
Bromomethane	55		"	50.0		110	43.9-147		12.8	28.4	
Carbon tetrachloride	61		"	50.0		123	78.1-138		4.64	20.1	
Chlorobenzene	55		"	50.0		111	80.4-125		7.23	19.9	
Chloroethane	48		"	50.0		96.5	55.8-140		3.09	23.3	
Chloroform	57		"	50.0		115	76.6-133		4.98	20.3	
Chloromethane	29		"	50.0		57.9	48.8-115		0.173	24.5	
cis-1,2-Dichloroethylene	53		"	50.0		106	75.1-128		0.510	20.5	
cis-1,3-Dichloropropylene	58		"	50.0		116	74.5-128		4.65	19.9	
Dibromochloromethane	61		"	50.0		121	79.8-134		4.82	21.3	
Dibromomethane	59		"	50.0		118	79-130		4.71	22.4	
Dichlorodifluoromethane	39		"	50.0		77.6	47.1-101		0.802	23.9	
Ethyl Benzene	59		"	50.0		118	80.8-128		7.11	19.2	
Hexachlorobutadiene	61		"	50.0		121	64.8-128		9.01	20.6	
Isopropylbenzene	55		"	50.0		109	75.5-135		6.81	20	
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.8	65.1-140		3.36	23.6	
Methylene chloride	48		"	50.0		95.6	61.3-120		3.43	20.4	
Naphthalene	52		"	50.0		103	62.3-148		3.45	27.1	
n-Butylbenzene	56		"	50.0		112	67.2-123		9.08	19.1	
n-Propylbenzene	55		"	50.0		110	70.5-127		8.05	23.4	
o-Xylene	58		"	50.0		115	75.9-122		8.52	19.3	

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

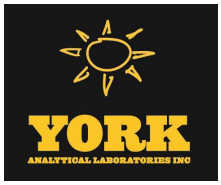
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31080 - EPA 5030B											
LCS Dup (BE31080-BSD1)								Prepared & Analyzed: 05/23/2013			
p- & m- Xylenes	120		ug/L	100		118	77.7-127		7.51	18.6	
p-Isopropyltoluene	57		"	50.0		113	75.6-129		9.53	19.1	
sec-Butylbenzene	57		"	50.0		113	71.5-125		7.76	18.9	
Styrene	58		"	50.0		116	77.8-123		8.87	20.9	
tert-Butylbenzene	57		"	50.0		114	75.9-151		10.4	20.9	
Tetrachloroethylene	55		"	50.0		110	63.6-167		5.52	27.7	
Toluene	55		"	50.0		111	77-123		4.17	18.7	
trans-1,2-Dichloroethylene	52		"	50.0		104	76.3-139		0.0577	19.5	
trans-1,3-Dichloropropylene	57		"	50.0		114	72.5-137		4.29	19.3	
Trichloroethylene	55		"	50.0		110	77.9-130		4.09	20.5	
Trichlorofluoromethane	56		"	50.0		113	57.4-133		3.58	21.4	
Vinyl Chloride	40		"	50.0		80.7	54.9-124		4.46	22.3	
Vinyl acetate	38		"	50.0		75.1	70-130		0.400	30	
Surrogate: 1,2-Dichloroethane-d4	*53.3*		*"*	*50.0*		*107*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*50.3*		*"*	*50.0*		*101*	*63.5-145*				
Surrogate: Toluene-d8	*51.8*		*"*	*50.0*		*104*	*81.2-127*				

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

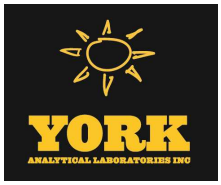
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31031 - EPA 3550B											
Blank (BE31031-BLK1)											
Prepared: 05/22/2013 Analyzed: 05/23/2013											
Acenaphthene	ND	0.250	mg/kg wet								
Acenaphthylene	ND	0.250	"								
Aniline	ND	0.250	"								
Anthracene	ND	0.250	"								
Benzo(a)anthracene	ND	0.250	"								
Benzo(a)pyrene	ND	0.250	"								
Benzo(b)fluoranthene	ND	0.250	"								
Benzo(g,h,i)perylene	ND	0.250	"								
Benzyl alcohol	ND	0.250	"								
Benzo(k)fluoranthene	ND	0.250	"								
Benzyl butyl phthalate	ND	0.250	"								
4-Bromophenyl phenyl ether	ND	0.250	"								
4-Chloro-3-methylphenol	ND	0.250	"								
4-Chloroaniline	ND	0.250	"								
Bis(2-chloroethoxy)methane	ND	0.250	"								
Bis(2-chloroethyl)ether	ND	0.250	"								
Bis(2-chloroisopropyl)ether	ND	0.250	"								
Bis(2-ethylhexyl)phthalate	ND	0.250	"								
2-Chloronaphthalene	ND	0.250	"								
2-Chlorophenol	ND	0.250	"								
4-Chlorophenyl phenyl ether	ND	0.250	"								
Chrysene	ND	0.250	"								
Dibenzo(a,h)anthracene	ND	0.250	"								
Dibenzofuran	ND	0.250	"								
Di-n-butyl phthalate	ND	0.250	"								
1,2-Dichlorobenzene	ND	0.250	"								
1,4-Dichlorobenzene	ND	0.250	"								
1,3-Dichlorobenzene	ND	0.250	"								
3,3'-Dichlorobenzidine	ND	0.250	"								
2,4-Dichlorophenol	ND	0.250	"								
Diethyl phthalate	ND	0.250	"								
2,4-Dimethylphenol	ND	0.250	"								
Dimethyl phthalate	ND	0.250	"								
2-Nitroaniline	ND	0.250	"								
4,6-Dinitro-2-methylphenol	ND	0.500	"								
2,4-Dinitrophenol	ND	0.500	"								
2,6-Dinitrotoluene	ND	0.250	"								
2,4-Dinitrotoluene	ND	0.250	"								
Di-n-octyl phthalate	ND	0.250	"								
Fluoranthene	ND	0.250	"								
Fluorene	ND	0.250	"								
Hexachlorobenzene	ND	0.250	"								
Hexachlorobutadiene	ND	0.250	"								
Hexachlorocyclopentadiene	ND	0.250	"								
Hexachloroethane	ND	0.250	"								
Indeno(1,2,3-cd)pyrene	ND	0.250	"								
Isophorone	ND	0.250	"								
2-Methylnaphthalene	ND	0.250	"								
2-Methylphenol	ND	0.250	"								
3- & 4-Methylphenols	ND	0.250	"								
Naphthalene	ND	0.250	"								



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

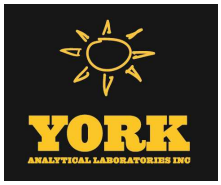
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31031 - EPA 3550B											
Blank (BE31031-BLK1)									Prepared: 05/22/2013 Analyzed: 05/23/2013		
3-Nitroaniline	ND	0.250	mg/kg wet								
4-Nitroaniline	ND	0.250	"								
Nitrobenzene	ND	0.250	"								
4-Nitrophenol	ND	0.250	"								
2-Nitrophenol	ND	0.250	"								
N-nitroso-di-n-propylamine	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.250	"								
N-Nitrosodiphenylamine	ND	0.250	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.250	"								
Phenol	ND	0.250	"								
Pyrene	ND	0.250	"								
Pyridine	ND	0.250	"								
1,2,4-Trichlorobenzene	ND	0.250	"								
2,4,5-Trichlorophenol	ND	0.250	"								
2,4,6-Trichlorophenol	ND	0.250	"								
Surrogate: 2,4,6-Tribromophenol	*2.56*		*"*	*3.75*		*68.4*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*1.56*		*"*	*2.50*		*62.4*	*30-130*				
Surrogate: 2-Fluorophenol	*1.31*		*"*	*3.75*		*35.0*	*15-110*				
Surrogate: Nitrobenzene-d5	*0.606*		*"*	*2.50*		*24.3*	*30-130*				
Surrogate: Phenol-d5	*2.20*		*"*	*3.76*		*58.6*	*15-110*				
Surrogate: Terphenyl-d14	*2.37*		*"*	*2.50*		*94.8*	*30-130*				
LCS (BE31031-BS1)									Prepared: 05/22/2013 Analyzed: 05/23/2013		
Acenaphthene	2.22	0.250	mg/kg wet	2.50		89.0	31.1-109				
Acenaphthylene	2.11	0.250	"	2.50		84.6	31.1-106				
Aniline	1.61	0.250	"	2.50		64.6	5.07-149				
Anthracene	2.27	0.250	"	2.50		90.9	31.5-107				
Benzo(a)anthracene	2.15	0.250	"	2.50		86.0	31.5-115				
Benzo(a)pyrene	2.58	0.250	"	2.50		103	29.1-138				
Benzo(b)fluoranthene	2.05	0.250	"	2.50		82.0	14.9-131				
Benzo(g,h,i)perylene	1.19	0.250	"	2.50		47.4	6.56-121				
Benzyl alcohol	2.05	0.250	"	2.50		82.1	25.4-119				
Benzo(k)fluoranthene	2.24	0.250	"	2.50		89.6	29.1-121				
Benzyl butyl phthalate	2.35	0.250	"	2.50		93.9	31.3-112				
4-Bromophenyl phenyl ether	2.19	0.250	"	2.50		87.8	25.2-113				
4-Chloro-3-methylphenol	2.20	0.250	"	2.50		87.9	29.5-124				
4-Chloroaniline	1.84	0.250	"	2.50		73.6	10-177				
Bis(2-chloroethoxy)methane	2.02	0.250	"	2.50		80.6	27.9-111				
Bis(2-chloroethyl)ether	1.96	0.250	"	2.50		78.6	18-122				
Bis(2-chloroisopropyl)ether	1.90	0.250	"	2.50		76.1	9.62-123				
Bis(2-ethylhexyl)phthalate	2.40	0.250	"	2.50		96.1	25-105				
2-Chloronaphthalene	2.08	0.250	"	2.50		83.2	31.7-108				
2-Chlorophenol	1.97	0.250	"	2.50		78.7	20.3-125				
4-Chlorophenyl phenyl ether	2.38	0.250	"	2.50		95.1	23.6-110				
Chrysene	2.26	0.250	"	2.50		90.4	27.4-117				
Dibenzo(a,h)anthracene	1.74	0.250	"	2.50		69.7	14.6-119				
Dibenzofuran	2.24	0.250	"	2.50		89.6	30.2-108				
Di-n-butyl phthalate	2.19	0.250	"	2.50		87.4	33.5-100				
1,2-Dichlorobenzene	1.76	0.250	"	2.50		70.3	22.8-114				
1,4-Dichlorobenzene	1.86	0.250	"	2.50		74.3	19.8-121				



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

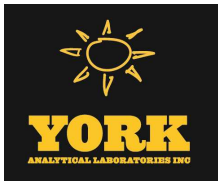
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31031 - EPA 3550B											
LCS (BE31031-BS1)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
1,3-Dichlorobenzene	1.72	0.250	mg/kg wet	2.50		68.9	20.6-119				
3,3'-Dichlorobenzidine	2.15	0.250	"	2.50		86.0	10-180				
2,4-Dichlorophenol	2.15	0.250	"	2.50		85.9	23.3-125				
Diethyl phthalate	2.28	0.250	"	2.50		91.2	29.7-111				
2,4-Dimethylphenol	2.00	0.250	"	2.50		80.0	29.8-115				
Dimethyl phthalate	2.17	0.250	"	2.50		86.8	27-118				
2-Nitroaniline	2.27	0.250	"	2.50		90.9	40-140				
4,6-Dinitro-2-methylphenol	2.15	0.500	"	2.50		86.1	10-122				
2,4-Dinitrophenol	2.01	0.500	"	2.50		80.4	10-151				
2,6-Dinitrotoluene	2.36	0.250	"	2.50		94.5	26.1-119				
2,4-Dinitrotoluene	2.34	0.250	"	2.50		93.5	21.4-126				
Di-n-octyl phthalate	2.29	0.250	"	2.50		91.4	19-129				
Fluoranthene	2.22	0.250	"	2.50		88.8	31.3-110				
Fluorene	2.36	0.250	"	2.50		94.4	29.9-108				
Hexachlorobenzene	2.13	0.250	"	2.50		85.2	31.7-102				
Hexachlorobutadiene	2.01	0.250	"	2.50		80.4	10.1-134				
Hexachlorocyclopentadiene	1.62	0.250	"	2.50		65.0	10-122				
Hexachloroethane	1.81	0.250	"	2.50		72.5	20.2-114				
Indeno(1,2,3-cd)pyrene	1.71	0.250	"	2.50		68.4	12.6-120				
Isophorone	2.00	0.250	"	2.50		79.9	27.2-113				
2-Methylnaphthalene	2.05	0.250	"	2.50		81.8	17.4-119				
2-Methylphenol	2.11	0.250	"	2.50		84.5	23.6-125				
3- & 4-Methylphenols	2.04	0.250	"	2.50		81.4	21.3-115				
Naphthalene	2.01	0.250	"	2.50		80.4	25.2-111				
3-Nitroaniline	2.16	0.250	"	2.50		86.5	9.73-147				
4-Nitroaniline	2.03	0.250	"	2.50		81.1	6.42-169				
Nitrobenzene	1.86	0.250	"	2.50		74.6	21.8-118				
4-Nitrophenol	2.37	0.250	"	2.50		94.9	10-136				
2-Nitrophenol	1.98	0.250	"	2.50		79.3	20.6-119				
N-nitroso-di-n-propylamine	2.10	0.250	"	2.50		83.9	25.3-118				
N-Nitrosodimethylamine	1.68	0.250	"	2.50		67.3	10-142				
N-Nitrosodiphenylamine	2.80	0.250	"	2.50		112	35.8-132				
Pentachlorophenol	2.30	0.250	"	2.50		92.1	3.68-146				
Phenanthrene	2.21	0.250	"	2.50		88.2	31.2-105				
Phenol	2.00	0.250	"	2.50		80.0	23.2-117				
Pyrene	2.44	0.250	"	2.50		97.7	26.3-124				
Pyridine	1.47	0.250	"	2.50		58.7	10-122				
1,2,4-Trichlorobenzene	1.99	0.250	"	2.50		79.7	19.3-128				
2,4,5-Trichlorophenol	2.18	0.250	"	2.50		87.2	19.5-131				
2,4,6-Trichlorophenol	2.11	0.250	"	2.50		84.3	24.2-123				
Surrogate: 2,4,6-Tribromophenol	*3.44*		*"*	*3.75*		*91.6*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*2.02*		*"*	*2.50*		*80.5*	*30-130*				
Surrogate: 2-Fluorophenol	*2.88*		*"*	*3.75*		*76.9*	*15-110*				
Surrogate: Nitrobenzene-d5	*1.73*		*"*	*2.50*		*69.3*	*30-130*				
Surrogate: Phenol-d5	*2.98*		*"*	*3.76*		*79.3*	*15-110*				
Surrogate: Terphenyl-d14	*2.48*		*"*	*2.50*		*99.2*	*30-130*				



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

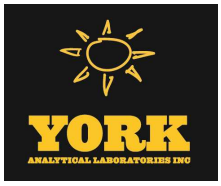
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31031 - EPA 3550B											
LCS Dup (BE31031-BSD1)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
Acenaphthene	2.10	0.250	mg/kg wet	2.50		84.2	31.1-109		5.57	30	
Acenaphthylene	2.02	0.250	"	2.50		80.8	31.1-106		4.55	30	
Aniline	1.52	0.250	"	2.50		60.9	5.07-149		5.83	30	
Anthracene	2.21	0.250	"	2.50		88.6	31.5-107		2.54	30	
Benzo(a)anthracene	2.03	0.250	"	2.50		81.4	31.5-115		5.54	30	
Benzo(a)pyrene	2.27	0.250	"	2.50		90.7	29.1-138		12.9	30	
Benzo(b)fluoranthene	1.93	0.250	"	2.50		77.2	14.9-131		6.03	30	
Benzo(g,h,i)perylene	1.10	0.250	"	2.50		43.9	6.56-121		7.80	30	
Benzyl alcohol	1.93	0.250	"	2.50		77.2	25.4-119		6.20	30	
Benzo(k)fluoranthene	2.11	0.250	"	2.50		84.4	29.1-121		5.93	30	
Benzyl butyl phthalate	2.17	0.250	"	2.50		86.8	31.3-112		7.84	30	
4-Bromophenyl phenyl ether	2.12	0.250	"	2.50		84.7	25.2-113		3.60	30	
4-Chloro-3-methylphenol	2.02	0.250	"	2.50		80.9	29.5-124		8.29	30	
4-Chloroaniline	1.79	0.250	"	2.50		71.7	10-177		2.53	30	
Bis(2-chloroethoxy)methane	1.90	0.250	"	2.50		76.2	27.9-111		5.64	30	
Bis(2-chloroethyl)ether	1.83	0.250	"	2.50		73.2	18-122		7.06	30	
Bis(2-chloroisopropyl)ether	1.75	0.250	"	2.50		69.8	9.62-123		8.58	30	
Bis(2-ethylhexyl)phthalate	2.24	0.250	"	2.50		89.8	25-105		6.80	30	
2-Chloronaphthalene	2.03	0.250	"	2.50		81.2	31.7-108		2.53	30	
2-Chlorophenol	1.85	0.250	"	2.50		73.9	20.3-125		6.27	30	
4-Chlorophenyl phenyl ether	2.26	0.250	"	2.50		90.5	23.6-110		4.94	30	
Chrysene	2.11	0.250	"	2.50		84.4	27.4-117		6.93	30	
Dibenzo(a,h)anthracene	1.56	0.250	"	2.50		62.3	14.6-119		11.2	30	
Dibenzofuran	2.14	0.250	"	2.50		85.4	30.2-108		4.82	30	
Di-n-butyl phthalate	2.08	0.250	"	2.50		83.0	33.5-100		5.16	30	
1,2-Dichlorobenzene	1.66	0.250	"	2.50		66.4	22.8-114		5.65	30	
1,4-Dichlorobenzene	1.74	0.250	"	2.50		69.7	19.8-121		6.36	30	
1,3-Dichlorobenzene	1.66	0.250	"	2.50		66.3	20.6-119		3.84	30	
3,3'-Dichlorobenzidine	2.07	0.250	"	2.50		82.9	10-180		3.74	30	
2,4-Dichlorophenol	2.02	0.250	"	2.50		80.6	23.3-125		6.41	30	
Diethyl phthalate	2.07	0.250	"	2.50		82.8	29.7-111		9.67	30	
2,4-Dimethylphenol	1.82	0.250	"	2.50		72.7	29.8-115		9.58	30	
Dimethyl phthalate	2.02	0.250	"	2.50		80.8	27-118		7.14	30	
2-Nitroaniline	2.14	0.250	"	2.50		85.5	40-140		6.08	30	
4,6-Dinitro-2-methylphenol	2.02	0.500	"	2.50		80.8	10-122		6.30	30	
2,4-Dinitrophenol	1.84	0.500	"	2.50		73.5	10-151		8.94	30	
2,6-Dinitrotoluene	2.21	0.250	"	2.50		88.5	26.1-119		6.60	30	
2,4-Dinitrotoluene	2.17	0.250	"	2.50		86.9	21.4-126		7.29	30	
Di-n-octyl phthalate	2.16	0.250	"	2.50		86.3	19-129		5.72	30	
Fluoranthene	2.19	0.250	"	2.50		87.7	31.3-110		1.25	30	
Fluorene	2.23	0.250	"	2.50		89.4	29.9-108		5.42	30	
Hexachlorobenzene	2.03	0.250	"	2.50		81.2	31.7-102		4.86	30	
Hexachlorobutadiene	1.87	0.250	"	2.50		74.6	10.1-134		7.41	30	
Hexachlorocyclopentadiene	1.59	0.250	"	2.50		63.5	10-122		2.37	30	
Hexachloroethane	1.72	0.250	"	2.50		68.8	20.2-114		5.30	30	
Indeno(1,2,3-cd)pyrene	1.55	0.250	"	2.50		62.2	12.6-120		9.50	30	
Isophorone	1.86	0.250	"	2.50		74.5	27.2-113		7.04	30	
2-Methylnaphthalene	1.92	0.250	"	2.50		76.7	17.4-119		6.51	30	
2-Methylphenol	2.02	0.250	"	2.50		80.6	23.6-125		4.70	30	
3- & 4-Methylphenols	1.93	0.250	"	2.50		77.1	21.3-115		5.43	30	
Naphthalene	1.87	0.250	"	2.50		74.9	25.2-111		7.11	30	



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31031 - EPA 3550B											
LCS Dup (BE31031-BSD1)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
3-Nitroaniline	2.13	0.250	mg/kg wet	2.50		85.2	9.73-147		1.54	30	
4-Nitroaniline	2.02	0.250	"	2.50		80.9	6.42-169		0.247	30	
Nitrobenzene	1.74	0.250	"	2.50		69.8	21.8-118		6.65	30	
4-Nitrophenol	2.18	0.250	"	2.50		87.0	10-136		8.64	30	
2-Nitrophenol	1.85	0.250	"	2.50		74.1	20.6-119		6.78	30	
N-nitroso-di-n-propylamine	1.98	0.250	"	2.50		79.3	25.3-118		5.59	30	
N-Nitrosodimethylamine	1.61	0.250	"	2.50		64.4	10-142		4.43	30	
N-Nitrosodiphenylamine	2.71	0.250	"	2.50		109	35.8-132		3.23	30	
Pentachlorophenol	2.22	0.250	"	2.50		88.8	3.68-146		3.63	30	
Phenanthrene	2.09	0.250	"	2.50		83.8	31.2-105		5.21	30	
Phenol	1.88	0.250	"	2.50		75.2	23.2-117		6.18	30	
Pyrene	2.23	0.250	"	2.50		89.0	26.3-124		9.34	30	
Pyridine	1.39	0.250	"	2.50		55.8	10-122		5.07	30	
1,2,4-Trichlorobenzene	1.85	0.250	"	2.50		73.8	19.3-128		7.64	30	
2,4,5-Trichlorophenol	2.07	0.250	"	2.50		82.9	19.5-131		5.03	30	
2,4,6-Trichlorophenol	2.07	0.250	"	2.50		82.7	24.2-123		1.92	30	
Surrogate: 2,4,6-Tribromophenol	*3.28*		*"*	*3.75*		*87.3*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*1.92*		*"*	*2.50*		*76.7*	*30-130*				
Surrogate: 2-Fluorophenol	*2.73*		*"*	*3.75*		*72.7*	*15-110*				
Surrogate: Nitrobenzene-d5	*1.63*		*"*	*2.50*		*65.3*	*30-130*				
Surrogate: Phenol-d5	*2.79*		*"*	*3.76*		*74.2*	*15-110*				
Surrogate: Terphenyl-d14	*2.25*		*"*	*2.50*		*89.9*	*30-130*				
Matrix Spike (BE31031-MS1)	*Source sample: 13E0711-02 (MW-7 (7-9))							Prepared: 05/22/2013 Analyzed: 05/23/2013			
Acenaphthene	2.12	0.274	mg/kg dry	2.74	ND	77.4	31.1-109				
Acenaphthylene	1.98	0.274	"	2.74	ND	72.3	31.1-106				
Aniline	1.31	0.274	"	2.74	ND	47.7	21-140				
Anthracene	2.18	0.274	"	2.74	ND	79.7	31.5-107				
Benzo(a)anthracene	1.99	0.274	"	2.74	ND	72.5	31.5-115				
Benzo(a)pyrene	2.41	0.274	"	2.74	ND	87.8	29.1-138				
Benzo(b)fluoranthene	1.96	0.274	"	2.74	ND	71.4	14.9-131				
Benzo(g,h,i)perylene	1.62	0.274	"	2.74	ND	59.0	6.56-121				
Benzyl alcohol	1.88	0.274	"	2.74	ND	68.5	25.4-119				
Benzo(k)fluoranthene	2.02	0.274	"	2.74	ND	73.8	29.1-121				
Benzyl butyl phthalate	2.27	0.274	"	2.74	ND	82.9	31.3-112				
4-Bromophenyl phenyl ether	2.12	0.274	"	2.74	ND	77.3	25.2-113				
4-Chloro-3-methylphenol	2.02	0.274	"	2.74	ND	73.7	29.5-124				
4-Chloroaniline	1.89	0.274	"	2.74	ND	68.9	10-177				
Bis(2-chloroethoxy)methane	1.74	0.274	"	2.74	ND	63.3	27.9-111				
Bis(2-chloroethyl)ether	1.53	0.274	"	2.74	ND	56.0	18-122				
Bis(2-chloroisopropyl)ether	1.39	0.274	"	2.74	ND	50.6	9.62-123				
Bis(2-ethylhexyl)phthalate	2.38	0.274	"	2.74	ND	86.8	25-105				
2-Chloronaphthalene	1.94	0.274	"	2.74	ND	70.7	31.7-108				
2-Chlorophenol	1.61	0.274	"	2.74	ND	58.8	20.3-125				
4-Chlorophenyl phenyl ether	2.22	0.274	"	2.74	ND	80.9	23.6-110				
Chrysene	2.22	0.274	"	2.74	ND	80.8	27.4-117				
Dibenzo(a,h)anthracene	2.05	0.274	"	2.74	ND	74.9	14.6-119				
Dibenzofuran	2.16	0.274	"	2.74	ND	78.7	30.2-108				
Di-n-butyl phthalate	2.09	0.274	"	2.74	ND	76.3	33.5-100				
1,2-Dichlorobenzene	1.28	0.274	"	2.74	ND	46.7	22.8-114				
1,4-Dichlorobenzene	1.34	0.274	"	2.74	ND	49.0	19.8-121				



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

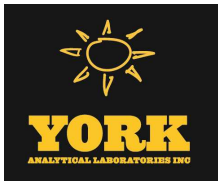
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31031 - EPA 3550B											
Matrix Spike (BE31031-MS1)	*Source sample: 13E0711-02 (MW-7 (7-9))							Prepared: 05/22/2013 Analyzed: 05/23/2013			
1,3-Dichlorobenzene	1.22	0.274	mg/kg dry	2.74	ND	44.5	20.6-119				
3,3'-Dichlorobenzidine	1.58	0.274	"	2.74	ND	57.6	10-180				
2,4-Dichlorophenol	1.95	0.274	"	2.74	ND	71.2	23.3-125				
Diethyl phthalate	2.05	0.274	"	2.74	ND	74.9	29.7-111				
2,4-Dimethylphenol	1.23	0.274	"	2.74	ND	44.8	29.8-115				
Dimethyl phthalate	1.98	0.274	"	2.74	ND	72.2	27-118				
2-Nitroaniline	2.16	0.274	"	2.74	ND	78.8	40-140				
4,6-Dinitro-2-methylphenol	1.87	0.548	"	2.74	ND	68.2	10-122				
2,4-Dinitrophenol	1.58	0.548	"	2.74	ND	57.5	10-151				
2,6-Dinitrotoluene	2.19	0.274	"	2.74	ND	79.8	26.1-119				
2,4-Dinitrotoluene	2.17	0.274	"	2.74	ND	79.1	21.4-126				
Di-n-octyl phthalate	2.14	0.274	"	2.74	ND	78.0	19-129				
Fluoranthene	2.13	0.274	"	2.74	ND	77.6	31.3-110				
Fluorene	2.24	0.274	"	2.74	ND	81.8	29.9-108				
Hexachlorobenzene	2.10	0.274	"	2.74	ND	76.5	31.7-102				
Hexachlorobutadiene	1.38	0.274	"	2.74	ND	50.5	10.1-134				
Hexachlorocyclopentadiene	1.13	0.274	"	2.74	ND	41.1	10-122				
Hexachloroethane	1.28	0.274	"	2.74	ND	46.7	20.2-114				
Indeno(1,2,3-cd)pyrene	1.99	0.274	"	2.74	ND	72.4	12.6-120				
Isophorone	1.75	0.274	"	2.74	ND	63.7	27.2-113				
2-Methylnaphthalene	1.80	0.274	"	2.74	ND	65.8	17.4-119				
2-Methylphenol	1.68	0.274	"	2.74	ND	61.4	23.6-125				
3- & 4-Methylphenols	1.71	0.274	"	2.74	ND	62.2	21.3-115				
Naphthalene	1.63	0.274	"	2.74	ND	59.3	25.2-111				
3-Nitroaniline	2.27	0.274	"	2.74	ND	82.8	9.73-147				
4-Nitroaniline	2.35	0.274	"	2.74	ND	85.8	6.42-169				
Nitrobenzene	1.52	0.274	"	2.74	ND	55.4	21.8-118				
4-Nitrophenol	2.29	0.274	"	2.74	ND	83.6	10-136				
2-Nitrophenol	1.62	0.274	"	2.74	ND	59.1	20.6-119				
N-nitroso-di-n-propylamine	1.81	0.274	"	2.74	ND	65.8	25.3-118				
N-Nitrosodimethylamine	1.36	0.274	"	2.74	ND	49.7	21-140				
N-Nitrosodiphenylamine	2.13	0.274	"	2.74	ND	77.7	35.8-132				
Pentachlorophenol	2.17	0.274	"	2.74	ND	79.2	3.68-146				
Phenanthrene	2.15	0.274	"	2.74	ND	78.5	31.2-105				
Phenol	1.72	0.274	"	2.74	ND	62.6	23.2-117				
Pyrene	2.50	0.274	"	2.74	ND	91.1	26.3-124				
Pyridine	1.10	0.274	"	2.74	ND	40.2	21-140				
1,2,4-Trichlorobenzene	1.52	0.274	"	2.74	ND	55.5	19.3-128				
2,4,5-Trichlorophenol	2.05	0.274	"	2.74	ND	74.9	19.5-131				
2,4,6-Trichlorophenol	1.95	0.274	"	2.74	ND	70.9	24.2-123				
Surrogate: 2,4,6-Tribromophenol	*3.05*		*"*	*4.11*		*74.3*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*1.68*		*"*	*2.75*		*61.1*	*30-130*				
Surrogate: 2-Fluorophenol	*1.90*		*"*	*4.11*		*46.2*	*15-110*				
Surrogate: Nitrobenzene-d5	*1.04*		*"*	*2.74*		*37.8*	*30-130*				
Surrogate: Phenol-d5	*2.37*		*"*	*4.12*		*57.4*	*15-110*				
Surrogate: Terphenyl-d14	*2.50*		*"*	*2.74*		*91.1*	*30-130*				

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31033 - EPA 3550B											
Blank (BE31033-BLK1)											Prepared: 05/22/2013 Analyzed: 05/23/2013
Toxaphene	ND	0.0250	mg/kg wet								
Methoxychlor	ND	0.00248	"								
Heptachlor epoxide	ND	0.000495	"								
Heptachlor	ND	0.000495	"								
gamma-BHC (Lindane)	ND	0.000495	"								
Endrin ketone	ND	0.000495	"								
Endrin aldehyde	ND	0.000495	"								
Endrin	ND	0.000495	"								
Endosulfan sulfate	ND	0.000495	"								
Endosulfan II	ND	0.000495	"								
Endosulfan I	ND	0.000495	"								
Dieldrin	ND	0.000495	"								
delta-BHC	ND	0.000495	"								
Chlordane, total	ND	0.00198	"								
beta-BHC	ND	0.000495	"								
alpha-BHC	ND	0.000495	"								
Aldrin	ND	0.000495	"								
4,4'-DDT	ND	0.000495	"								
4,4'-DDE	ND	0.000495	"								
4,4'-DDD	ND	0.000495	"								
Aroclor 1260	ND	0.0255	"								
Aroclor 1254	ND	0.0255	"								
Aroclor 1248	ND	0.0255	"								
Aroclor 1242	ND	0.0255	"								
Aroclor 1232	ND	0.0255	"								
Aroclor 1221	ND	0.0255	"								
Aroclor 1016	ND	0.0255	"								
Total PCBs	ND	0.0255	"								
Surrogate: Tetrachloro-m-xylene	*0.0801*		"	*0.100*		*80.1*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0739*		"	*0.100*		*73.5*	*30-150*				



Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31033 - EPA 3550B											
LCS (BE31033-BS1)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
Methoxychlor	0.0353	0.00248	mg/kg wet	0.0500		70.6	40-140				
Heptachlor epoxide	0.0378	0.000495	"	0.0500		75.6	40-140				
Heptachlor	0.0301	0.000495	"	0.0500		60.2	40-140				
gamma-BHC (Lindane)	0.0391	0.000495	"	0.0500		78.2	40-140				
Endrin ketone	0.0348	0.000495	"	0.0500		69.6	40-140				
Endrin aldehyde	0.0361	0.000495	"	0.0500		72.3	40-140				
Endrin	0.0350	0.000495	"	0.0500		70.0	40-140				
Endosulfan sulfate	0.0267	0.000495	"	0.0500		53.4	40-140				
Endosulfan II	0.0304	0.000495	"	0.0500		60.8	40-140				
Endosulfan I	0.0376	0.000495	"	0.0500		75.3	40-140				
Dieldrin	0.0390	0.000495	"	0.0500		77.9	40-140				
delta-BHC	0.0364	0.000495	"	0.0500		72.8	40-140				
beta-BHC	0.0384	0.000495	"	0.0500		76.8	40-140				
alpha-BHC	0.0402	0.000495	"	0.0500		80.3	40-140				
Aldrin	0.0404	0.000495	"	0.0500		80.9	40-140				
4,4'-DDT	0.0438	0.000495	"	0.0500		87.6	40-140				
4,4'-DDE	0.0394	0.000495	"	0.0500		78.8	40-140				
4,4'-DDD	0.0400	0.000495	"	0.0500		80.1	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0807*		*"*	*0.100*		*80.7*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0755*		*"*	*0.100*		*75.2*	*30-150*				
LCS (BE31033-BS2)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
Aroclor 1260	0.359	0.0255	mg/kg wet	0.500		71.7	40-140				
Aroclor 1016	0.393	0.0255	"	0.500		78.6	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0735*		*"*	*0.100*		*73.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0640*		*"*	*0.100*		*63.7*	*30-150*				
LCS Dup (BE31033-BSD1)								Prepared: 05/22/2013 Analyzed: 05/23/2013			
Methoxychlor	0.0347	0.00248	mg/kg wet	0.0500		69.4	40-140		1.79	200	
Heptachlor epoxide	0.0392	0.000495	"	0.0500		78.4	40-140		3.65	200	
Heptachlor	0.0324	0.000495	"	0.0500		64.7	40-140		7.21	200	
gamma-BHC (Lindane)	0.0403	0.000495	"	0.0500		80.5	40-140		2.90	200	
Endrin ketone	0.0361	0.000495	"	0.0500		72.2	40-140		3.71	200	
Endrin aldehyde	0.0382	0.000495	"	0.0500		76.3	40-140		5.44	200	
Endrin	0.0359	0.000495	"	0.0500		71.8	40-140		2.44	200	
Endosulfan sulfate	0.0281	0.000495	"	0.0500		56.2	40-140		5.07	200	
Endosulfan II	0.0330	0.000495	"	0.0500		66.0	40-140		8.17	200	
Endosulfan I	0.0397	0.000495	"	0.0500		79.3	40-140		5.21	200	
Dieldrin	0.0409	0.000495	"	0.0500		81.8	40-140		4.83	200	
delta-BHC	0.0373	0.000495	"	0.0500		74.7	40-140		2.60	200	
beta-BHC	0.0398	0.000495	"	0.0500		79.5	40-140		3.42	200	
alpha-BHC	0.0411	0.000495	"	0.0500		82.3	40-140		2.36	200	
Aldrin	0.0405	0.000495	"	0.0500		81.0	40-140		0.151	200	
4,4'-DDT	0.0446	0.000495	"	0.0500		89.2	40-140		1.75	200	
4,4'-DDE	0.0395	0.000495	"	0.0500		79.0	40-140		0.255	200	
4,4'-DDD	0.0403	0.000495	"	0.0500		80.5	40-140		0.578	200	
Surrogate: Tetrachloro-m-xylene	*0.0846*		*"*	*0.100*		*84.6*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0750*		*"*	*0.100*		*74.7*	*30-150*				

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31033 - EPA 3550B											
LCS Dup (BE31033-BSD2)									Prepared: 05/22/2013 Analyzed: 05/23/2013		
Aroclor 1260	0.340	0.0255	mg/kg wet	0.500		68.1	40-140		5.24	25	
Aroclor 1016	0.377	0.0255	"	0.500		75.5	40-140		4.05	25	
Surrogate: Tetrachloro-m-xylene	*0.0700*		*"*	*0.100*		*70.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0600*		*"*	*0.100*		*59.7*	*30-150*				
Matrix Spike (BE31033-MS1)	*Source sample: 13E0711-03 (MW-9 (0-2))								Prepared: 05/22/2013 Analyzed: 05/23/2013		
Methoxychlor	0.0450	0.0137	mg/kg dry	0.0552	ND	81.6	30-150				
Heptachlor epoxide	0.0462	0.00273	"	0.0552	ND	83.7	30-150				
Heptachlor	0.0494	0.00273	"	0.0552	ND	89.5	30-150				
gamma-BHC (Lindane)	0.0470	0.00273	"	0.0552	ND	85.2	30-150				
Endrin ketone	0.0428	0.00273	"	0.0552	ND	77.6	30-150				
Endrin aldehyde	0.0402	0.00273	"	0.0552	ND	72.9	30-150				
Endrin	0.0506	0.00273	"	0.0552	ND	91.7	30-150				
Endosulfan sulfate	0.0382	0.00273	"	0.0552	ND	69.3	30-150				
Endosulfan II	0.0398	0.00273	"	0.0552	ND	72.1	30-150				
Endosulfan I	0.0400	0.00273	"	0.0552	ND	72.6	30-150				
Dieldrin	0.0449	0.00273	"	0.0552	ND	81.3	30-150				
delta-BHC	0.0414	0.00273	"	0.0552	ND	75.0	30-150				
beta-BHC	0.0364	0.00273	"	0.0552	ND	66.1	30-150				
alpha-BHC	0.0446	0.00273	"	0.0552	ND	80.8	30-150				
Aldrin	0.0463	0.00273	"	0.0552	ND	84.0	30-150				
4,4'-DDT	0.0463	0.00273	"	0.0552	ND	83.9	30-150				
4,4'-DDE	0.0360	0.00273	"	0.0552	ND	65.2	30-150				
4,4'-DDD	0.0458	0.00273	"	0.0552	ND	82.9	30-150				
Surrogate: Tetrachloro-m-xylene	*0.106*		*"*	*0.110*		*96.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0874*		*"*	*0.111*		*78.8*	*30-150*				

Polychlorinated Biphenyls (PCB) by EPA SW 846-8082/EPA Compendium Methods - Quality Control Data

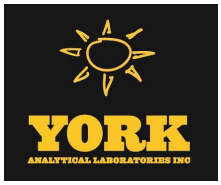
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31033 - EPA 3550B											
Blank (BE31033-BLK1)									Prepared: 05/22/2013 Analyzed: 05/23/2013		
Aroclor 1016	ND	0.0255	mg/kg wet								
Aroclor 1221	ND	0.0255	"								
Aroclor 1232	ND	0.0255	"								
Aroclor 1242	ND	0.0255	"								
Aroclor 1248	ND	0.0255	"								
Aroclor 1254	ND	0.0255	"								
Aroclor 1260	ND	0.0255	"								
Total PCBs	ND	0.0255	"								
Surrogate: Tetrachloro-m-xylene	*0.0865*		*"*	*0.100*		*86.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0690*		*"*	*0.100*		*68.7*	*30-150*				
LCS (BE31033-BS2)									Prepared: 05/22/2013 Analyzed: 05/23/2013		
Aroclor 1016	0.393	0.0255	mg/kg wet	0.500		78.6	40-140				
Aroclor 1260	0.359	0.0255	"	0.500		71.7	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0735*		*"*	*0.100*		*73.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0640*		*"*	*0.100*		*63.7*	*30-150*				
LCS Dup (BE31033-BSD2)									Prepared: 05/22/2013 Analyzed: 05/23/2013		
Aroclor 1016	0.377	0.0255	mg/kg wet	0.500		75.5	40-140		4.05	25	
Aroclor 1260	0.340	0.0255	"	0.500		68.1	40-140		5.24	25	
Surrogate: Tetrachloro-m-xylene	*0.0700*		*"*	*0.100*		*70.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0600*		*"*	*0.100*		*59.7*	*30-150*				
Matrix Spike (BE31033-MS2)	*Source sample: 13E0711-02 (MW-7 (7-9))								Prepared: 05/22/2013 Analyzed: 05/23/2013		
Aroclor 1016	0.362	0.0280	mg/kg dry	0.548	ND	66.0	40-140				
Aroclor 1260	0.295	0.0280	"	0.548	ND	53.7	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0669*		*"*	*0.110*		*61.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0521*		*"*	*0.110*		*47.3*	*30-150*				

Metals by EPA 6000 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 BE31041 - EPA 3050B											
Blank (BE31041-BLK1)									Prepared & Analyzed: 05/22/2013		
Aluminum	ND	2.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	0.500	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.500	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	1.00	"								
Nickel	ND	0.500	"								
Potassium	19.2	10.0	"								
Selenium	ND	0.500	"								
Silver	ND	0.500	"								
Sodium	159	10.0	"								
Thallium	ND	0.500	"								
Vanadium	ND	0.500	"								
Zinc	ND	0.500	"								
Duplicate (BE31041-DUP1)	*Source sample: 13E0711-02 (MW-7 (7-9))								Prepared & Analyzed: 05/22/2013		
Aluminum	9910	2.19	mg/kg dry		9940				0.314	35	
Antimony	ND	0.548	"		ND					35	
Arsenic	2.67	1.10	"		2.65				0.816	35	
Barium	144	0.548	"		143				0.942	35	
Beryllium	ND	0.110	"		ND					35	
Cadmium	ND	0.548	"		ND					35	
Calcium	2990	5.48	"		2980				0.351	35	
Chromium	17.1	0.548	"		17.0				0.670	35	
Cobalt	9.13	0.548	"		9.04				1.06	35	
Copper	13.1	0.548	"		12.9				1.02	35	
Iron	16900	2.19	"		16900				0.0446	35	
Lead	9.52	0.329	"		9.87				3.58	35	
Magnesium	5380	5.48	"		5410				0.639	35	
Manganese	219	1.10	"		215				1.52	35	
Nickel	15.8	0.548	"		15.8				0.124	35	
Potassium	3810	11.0	"		3820				0.279	35	
Selenium	ND	0.548	"		ND					35	
Silver	ND	0.548	"		ND					35	
Sodium	186	11.0	"		188				0.886	35	
Thallium	ND	0.548	"		ND					35	
Vanadium	36.9	0.548	"		36.6				0.604	35	
Zinc	48.9	0.548	"		49.3				0.768	35	



Metals by EPA 6000 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 BE31041 - EPA 3050B											
Matrix Spike (BE31041-MS1)	*Source sample: 13E0711-02 (MW-7 (7-9))							Prepared & Analyzed: 05/22/2013			
Aluminum	10100	2.19	mg/kg dry	219	9940	69.9	75-125	Low Bias			
Antimony	30.0	0.548	"	27.4	ND	109	75-125				
Arsenic	231	1.10	"	219	2.65	104	75-125				
Barium	366	0.548	"	219	143	102	75-125				
Beryllium	0.769	0.110	"	5.48	ND	14.0	75-125	Low Bias			
Cadmium	5.57	0.548	"	5.48	ND	101	75-125				
Chromium	41.0	0.548	"	21.9	17.0	109	75-125				
Cobalt	66.5	0.548	"	54.8	9.04	105	75-125				
Copper	41.7	0.548	"	27.4	12.9	105	75-125				
Iron	17200	2.19	"	110	16900	302	75-125	High Bias			
Lead	64.8	0.329	"	54.8	9.87	100	75-125				
Magnesium	5430	5.48	"		5410		75-125				
Manganese	270	1.10	"	54.8	215	99.3	75-125				
Nickel	73.8	0.548	"	54.8	15.8	106	75-125				
Potassium	3760	11.0	"		3820		75-125				
Silver	ND	0.548	"	5.48	ND		75-125	Low Bias			
Sodium	181	11.0	"		188		75-125				
Thallium	214	0.548	"	219	ND	97.7	75-125				
Vanadium	89.3	0.548	"	54.8	36.6	96.0	75-125				
Zinc	106	0.548	"	54.8	49.3	104	75-125				
Reference (BE31041-SRM1)								Prepared & Analyzed: 05/22/2013			
Aluminum	8730	2.00	mg/kg wet	8360		104	40.4-159				
Antimony	102	0.500	"	92.9		110	24.8-272				
Arsenic	97.4	1.00	"	94.5		103	69.2-131				
Barium	163	0.500	"	166		98.4	72.9-127				
Beryllium	53.7	0.100	"	52.6		102	73-127				
Cadmium	58.7	0.500	"	59.9		98.0	73.1-127				
Calcium	5860	5.00	"	6160		95.1	73.9-126				
Chromium	69.5	0.500	"	69.3		100	68.4-132				
Cobalt	106	0.500	"	101		104	74.2-125				
Copper	83.2	0.500	"	78.0		107	73.6-126				
Iron	13100	2.00	"	12800		102	31.8-168				
Lead	89.3	0.300	"	91.7		97.4	70.2-130				
Magnesium	3000	5.00	"	3030		98.9	66-134				
Manganese	283	1.00	"	283		99.9	73.9-125				
Nickel	64.4	0.500	"	56.6		114	70-130				
Potassium	3830	10.0	"	3820		100	64.7-136				
Selenium	164	0.500	"	159		103	67.9-133				
Silver	33.1	0.500	"	33.9		97.8	65.5-135				
Sodium	852	10.0	"	652		131	55.1-145				
Thallium	114	0.500	"	119		96.1	67.6-133				
Vanadium	55.9	0.500	"	56.3		99.3	53.3-147				
Zinc	138	0.500	"	137		101	67.4-133				

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 BE31043 - EPA SW846-7471											
Blank (BE31043-BLK1)									Prepared: 05/22/2013 Analyzed: 05/23/2013		
Mercury	ND	0.0330	mg/kg wet								
LCS (BE31043-BS1)									Prepared: 05/22/2013 Analyzed: 05/23/2013		
Mercury	3.01		mg/kg	3.73		80.7	67.6-131				
Duplicate (BE31043-DUP1)	*Source sample: 13E0711-01 (MW-7 (1-5))								Prepared: 05/22/2013 Analyzed: 05/23/2013		
Mercury	ND	0.0362	mg/kg dry		ND					35	
Matrix Spike (BE31043-MS1)	*Source sample: 13E0711-01 (MW-7 (1-5))								Prepared: 05/22/2013 Analyzed: 05/23/2013		
Mercury	0.320		mg/kg	0.333	ND	96.1	75-125				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13E0711-01	MW-7 (1-5)	Encore Sampler
13E0711-02	MW-7 (7-9)	Encore Sampler
13E0711-03	MW-9 (0-2)	Encore Sampler
13E0711-04	MW-9 (6-8)	Encore Sampler
13E0711-05	MW-6 (0-2)	Encore Sampler
13E0711-06	MW-6 (9-11)	Encore Sampler
13E0711-07	MW-8 (0.5-2.5)	Encore Sampler
13E0711-08	MW-8 (7.5-9.5)	Encore Sampler
13E0711-09	TB-052113	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

U	Analyte included in the analysis, but not detected
S-BN	Base/Neutral surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two base/neutral surrogates.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
D	The result reported is from a dilution of the sample due to levels of target compounds found
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 13E0711

YOUR Information

Company: Langan Engineering
Address: 360 W 31st St 8th Fl
NY, NY 10001
Phone No. (212)479-5400
Contact Person: Brandon Nathe
E-Mail Address: BNathe@langan.com

Report To:

Company: SAME
Address:
Phone No.
Attention: Paul McMahon
E-Mail Address: PMcMahon@langan.com

Invoice To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

170246501

Purchase Order No.

Samples from: CT ___ NY ✓ NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ✓
- Standard(5-7 Days) ☐

Report Type

- Summary Report X
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package X
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel
- NYSDEC EQuIS X
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other

York Regulatory Comparison Excel Spreadsheet X
Compare to the following Regs. (please fill in):
Part 375 Unrestricted

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.

Paul McMahon
Samples Collected/Authorized By (Signature)
Paul McMahon
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-7 (1-5)	5/20/13 13:25	S	VOC/SVOC/Metals/PCB/Pest (see circled)	1oz, 3 encore, 1 VOA vial
MW-7 (7-9)	5/20/13 13:35		VOC/SVOC/Metals/PCB	
MW-9 (0-2)	5/20/13 15:35		VOC/SVOC/Metals/PCB/Pest	
MW-9 (6-8)	5/20/13 15:45		VOC/SVOC/Metals/PCB	
MW-6 (0-2)	5/20/13 15:00		VOC/SVOC/Metals/PCB/Pest	
MW-6 (9-11)	5/20/13 15:18		VOC/SVOC/Metals/PCB	
MW-8 (0.5-2.5)	5/20/13 14:00		VOC/SVOC/Metals/PCB/Pest	
MW-8 (7.5-9.5)	5/20/13 14:40		VOC/SVOC/Metals/PCB	
TB-052113	5/21/13	DI Water	VOC	1 VOA

Comments

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Paul McMahon	5/20/13 8:00	JKBaker	5-21-13 8AM
Samples Relinquished By	Date/Time	Samples Received By	Date/Time
		Pgrace	5-21-13 1645
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 3.6 °C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Report Date: 05/29/2013
Client Project ID: 170246501
York Project (SDG) No.: 13E0744

Report Date: 05/29/2013
Client Project ID: 170246501
York Project (SDG) No.: 13E0744

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 22, 2013 and listed below. The project was identified as your project: **170246501**.

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 Notes 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 attachment to 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13E0744-01	MW-5 (0-2)	Soil	05/21/2013	05/22/2013
13E0744-02	MW-5 (6-8)	Soil	05/21/2013	05/22/2013
13E0744-03	LG-20 (0-2)	Soil	05/21/2013	05/22/2013
13E0744-04	LG-20 (22-24)	Soil	05/21/2013	05/22/2013
13E0744-05	LG-21 (0-2)	Soil	05/21/2013	05/22/2013
13E0744-06	LG-21 (20-22)	Soil	05/21/2013	05/22/2013
13E0744-07	MW-10 (1-3)	Soil	05/21/2013	05/22/2013
13E0744-08	MW-10 (32-34)	Soil	05/21/2013	05/22/2013
13E0744-09	LG-19 (0-2)	Soil	05/21/2013	05/22/2013
13E0744-10	LG-19 (26-28)	Soil	05/21/2013	05/22/2013
13E0744-11	DUP-1 (052113)	Soil	05/21/2013	05/22/2013
13E0744-12	TB_052113	Water	05/21/2013	05/22/2013

General Notes for York Project (SDG) No.: 13E0744

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 05/29/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: MW-5 (0-2)

York Sample ID: 13E0744-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:25 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.054	0.11	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
67-64-1	Acetone	**0.0029**	J, B	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS

Sample Information

Client Sample ID: MW-5 (0-2)

York Sample ID: 13E0744-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:25 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
75-09-2	Methylene chloride	**0.0063**	J	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0054	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS

Sample Information

Client Sample ID: MW-5 (0-2) **York Sample ID:** 13E0744-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:25 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0081	0.016	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0027	0.0054	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:02	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*110 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*84-117*

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0706	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.0936	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.112	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.106	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
56-55-3	Benzo(a)anthracene	ND	U	mg/kg dry	0.0729	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
50-32-8	Benzo(a)pyrene	ND	U	mg/kg dry	0.0772	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.163	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0648	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.195	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.195	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.108	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.0940	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.131	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0507	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0671	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.0995	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0687	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.135	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.105	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0644	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.114	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
218-01-9	Chrysene	ND	U	mg/kg dry	0.0897	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.0784	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.0909	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR

Sample Information

Client Sample ID: MW-5 (0-2) **York Sample ID:** 13E0744-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:25 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.0792	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.128	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.120	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0616	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.102	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.159	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.122	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.137	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.0870	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.246	0.390	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.170	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.164	0.390	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.100	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.0862	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.195	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
206-44-0	Fluoranthene	ND	U	mg/kg dry	0.114	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.0936	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.115	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0659	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.145	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0558	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.0889	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0671	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.150	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.0741	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.0847	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0480	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.194	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.0807	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0573	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.0733	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0531	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR

Sample Information

Client Sample ID: MW-5 (0-2) **York Sample ID:** 13E0744-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:25 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0651	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.0800	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.0882	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.147	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
85-01-8	Phenanthrene	ND	U	mg/kg dry	0.102	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.0843	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
129-00-0	Pyrene	ND	U	mg/kg dry	0.0796	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.137	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0706	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.151	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.0991	0.195	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 17:59	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*69.4 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*52.2 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*55.5 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.7 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*56.6 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*55.6 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	mg/kg dry	0.0977	0.0977	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
72-43-5	Methoxychlor	ND	U	mg/kg dry	0.00965	0.00965	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
1024-57-3	Heptachlor epoxide	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
76-44-8	Heptachlor	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
58-89-9	gamma-BHC (Lindane)	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
53494-70-5	Endrin ketone	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
7421-93-4	Endrin aldehyde	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
72-20-8	Endrin	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
1031-07-8	Endosulfan sulfate	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
33213-65-9	Endosulfan II	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
959-98-8	Endosulfan I	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
60-57-1	Dieldrin	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW

Sample Information

Client Sample ID: MW-5 (0-2) **York Sample ID:** 13E0744-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:25 am	05/22/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
57-74-9	Chlordane, total	ND	U	mg/kg dry	0.00772	0.00772	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
319-85-7	beta-BHC	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
319-84-6	alpha-BHC	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
309-00-2	Aldrin	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
50-29-3	4,4'-DDT	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
72-55-9	4,4'-DDE	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
72-54-8	4,4'-DDD	ND	U	mg/kg dry	0.00193	0.00193	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:47	JW
11096-82-5	Aroclor 1260	ND	U	mg/kg dry	0.0199	0.0199	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 11:26	JW
11097-69-1	Aroclor 1254	ND	U	mg/kg dry	0.0199	0.0199	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 11:26	JW
12672-29-6	Aroclor 1248	ND	U	mg/kg dry	0.0199	0.0199	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 11:26	JW
53469-21-9	Aroclor 1242	ND	U	mg/kg dry	0.0199	0.0199	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 11:26	JW
11141-16-5	Aroclor 1232	ND	U	mg/kg dry	0.0199	0.0199	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 11:26	JW
11104-28-2	Aroclor 1221	ND	U	mg/kg dry	0.0199	0.0199	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 11:26	JW
12674-11-2	Aroclor 1016	ND	U	mg/kg dry	0.0199	0.0199	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 11:26	JW
1336-36-3	Total PCBs	ND	U	mg/kg dry	0.00796	0.0199	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 11:26	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.3 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.7 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**7490**		mg/kg dry	1.19	2.34	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.257	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-38-2	Arsenic	**2.33**		mg/kg dry	0.398	1.17	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-39-3	Barium	**71.7**		mg/kg dry	0.152	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.117	0.117	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.117	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-70-2	Calcium	**22100**		mg/kg dry	0.047	5.85	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-47-3	Chromium	**20.4**		mg/kg dry	0.140	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-48-4	Cobalt	**7.35**		mg/kg dry	0.094	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-50-8	Copper	**16.7**		mg/kg dry	0.140	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7439-89-6	Iron	**13900**		mg/kg dry	0.761	2.34	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW

Sample Information

Client Sample ID: MW-5 (0-2) **York Sample ID:** 13E0744-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:25 am	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	**4.56**		mg/kg dry	0.199	0.351	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7439-95-4	Magnesium	**13300**		mg/kg dry	0.527	5.85	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7439-96-5	Manganese	**340**		mg/kg dry	0.129	1.17	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-02-0	Nickel	**17.4**		mg/kg dry	0.152	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-09-7	Potassium	**3170**		mg/kg dry	3.96	11.7	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7782-49-2	Selenium	ND	U	mg/kg dry	0.585	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.117	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-23-5	Sodium	**275**	B	mg/kg dry	6.17	11.7	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.374	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-62-2	Vanadium	**23.8**		mg/kg dry	0.129	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW
7440-66-6	Zinc	**37.0**		mg/kg dry	0.105	0.585	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:21	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0386	0.0386	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**85.4**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: MW-5 (6-8) **York Sample ID:** 13E0744-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:35 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS

Sample Information

Client Sample ID: MW-5 (6-8) **York Sample ID:** 13E0744-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:35 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.053	0.11	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
67-64-1	Acetone	**0.0040**	J, B	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS

Sample Information

Client Sample ID: MW-5 (6-8) **York Sample ID:** 13E0744-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:35 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
75-09-2	Methylene chloride	**0.0054**	J	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0053	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0080	0.016	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 14:43	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*113 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*99.0 %*	*84-117*

Sample Information

Client Sample ID: MW-5 (6-8) **York Sample ID:** 13E0744-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:35 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0670	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.0889	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.106	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.101	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
56-55-3	Benzo(a)anthracene	ND	U	mg/kg dry	0.0693	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
50-32-8	Benzo(a)pyrene	ND	U	mg/kg dry	0.0733	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.155	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0615	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.185	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.185	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.102	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.0892	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.125	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0481	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0637	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.0944	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0652	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.128	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.100	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0611	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.109	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
218-01-9	Chrysene	ND	U	mg/kg dry	0.0852	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.0744	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.0863	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.0752	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.121	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.114	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0585	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.0970	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.151	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.116	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.130	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR

Sample Information

Client Sample ID: MW-5 (6-8) **York Sample ID:** 13E0744-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:35 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.0826	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.161	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.233	0.370	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.156	0.370	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.0952	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.0818	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.185	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
206-44-0	Fluoranthene	ND	U	mg/kg dry	0.109	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.0889	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.109	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0626	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.138	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0530	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.0844	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0637	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.142	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.0704	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.0804	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0456	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.184	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.0767	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0544	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.0696	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0504	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0618	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.0759	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.0837	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.140	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
85-01-8	Phenanthrene	ND	U	mg/kg dry	0.0967	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.0800	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
129-00-0	Pyrene	ND	U	mg/kg dry	0.0755	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.130	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR

Sample Information

Client Sample ID: MW-5 (6-8) **York Sample ID:** 13E0744-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:35 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0670	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.144	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.0941	0.185	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 18:29	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*55.8 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*50.3 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*49.5 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*51.1 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*52.2 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.3 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 11:56	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 11:56	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 11:56	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 11:56	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 11:56	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 11:56	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 11:56	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.0189	0.0189	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 11:56	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*55.7 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**12300**		mg/kg dry	1.13	2.22	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.244	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-38-2	Arsenic	**2.95**		mg/kg dry	0.378	1.11	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-39-3	Barium	**69.0**		mg/kg dry	0.144	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.111	0.111	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.111	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-70-2	Calcium	**3100**		mg/kg dry	0.044	5.55	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW

Sample Information

Client Sample ID: MW-5 (6-8) **York Sample ID:** 13E0744-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:35 am	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	**23.4**		mg/kg dry	0.133	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-48-4	Cobalt	**9.30**		mg/kg dry	0.089	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-50-8	Copper	**16.5**		mg/kg dry	0.133	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7439-89-6	Iron	**22700**	E	mg/kg dry	0.722	2.22	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7439-92-1	Lead	**3.06**		mg/kg dry	0.189	0.333	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7439-95-4	Magnesium	**7840**		mg/kg dry	0.500	5.55	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7439-96-5	Manganese	**332**		mg/kg dry	0.122	1.11	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-02-0	Nickel	**15.7**		mg/kg dry	0.144	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-09-7	Potassium	**6600**		mg/kg dry	3.76	11.1	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7782-49-2	Selenium	**0.753**		mg/kg dry	0.555	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.111	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-23-5	Sodium	**258**	B	mg/kg dry	5.85	11.1	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.356	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-62-2	Vanadium	**41.2**		mg/kg dry	0.122	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW
7440-66-6	Zinc	**42.4**		mg/kg dry	0.100	0.555	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:38	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0367	0.0367	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**90.0**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: LG-20 (0-2) **York Sample ID:** 13E0744-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:44 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS

Sample Information

Client Sample ID: LG-20 (0-2) **York Sample ID:** 13E0744-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:44 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.053	0.11	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
67-64-1	Acetone	ND	U	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS

Sample Information

Client Sample ID: LG-20 (0-2) **York Sample ID:** 13E0744-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:44 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
75-09-2	Methylene chloride	**0.0058**	J	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0027	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0053	0.011	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0080	0.016	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0027	0.0053	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 15:23	SS

Sample Information

Client Sample ID: LG-20 (0-2) **York Sample ID:** 13E0744-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:44 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*		*73-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*126 %*		*72-127*							
2037-26-5	*Surrogate: Toluene-d8*	*104 %*		*84-117*							

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0663	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.0879	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.105	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.100	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
56-55-3	Benzo(a)anthracene	ND	U	mg/kg dry	0.0685	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
50-32-8	Benzo(a)pyrene	ND	U	mg/kg dry	0.0725	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.153	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0608	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.183	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.183	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.101	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.0883	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.123	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0476	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0630	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.0934	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0645	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.126	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.0989	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0604	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.107	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
218-01-9	Chrysene	ND	U	mg/kg dry	0.0843	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.0736	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.0854	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.0744	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.120	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR

Sample Information

Client Sample ID: LG-20 (0-2) **York Sample ID:** 13E0744-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:44 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.113	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0579	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.0960	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.149	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.115	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.128	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.0817	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.160	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.231	0.366	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.154	0.366	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.0941	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.0810	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.183	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
206-44-0	Fluoranthene	ND	U	mg/kg dry	0.107	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.0879	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.108	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0619	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.136	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0524	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.0835	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0630	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.141	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.0696	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.0795	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0451	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.182	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.0758	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0538	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.0689	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0498	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0612	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.0751	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR

Sample Information

Client Sample ID: LG-20 (0-2) **York Sample ID:** 13E0744-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:44 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.0828	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.138	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
85-01-8	Phenanthrene	ND	U	mg/kg dry	0.0956	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.0791	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
129-00-0	Pyrene	ND	U	mg/kg dry	0.0747	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.129	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0663	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.142	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.0930	0.183	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:00	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*62.9 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*53.7 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*52.2 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*54.4 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*53.2 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*50.4 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	mg/kg dry	0.0918	0.0918	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
72-43-5	Methoxychlor	ND	U	mg/kg dry	0.00907	0.00907	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
1024-57-3	Heptachlor epoxide	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
76-44-8	Heptachlor	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
58-89-9	gamma-BHC (Lindane)	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
53494-70-5	Endrin ketone	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
7421-93-4	Endrin aldehyde	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
72-20-8	Endrin	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
1031-07-8	Endosulfan sulfate	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
33213-65-9	Endosulfan II	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
959-98-8	Endosulfan I	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
60-57-1	Dieldrin	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
319-86-8	delta-BHC	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
57-74-9	Chlordane, total	ND	U	mg/kg dry	0.00725	0.00725	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW

Sample Information

Client Sample ID: LG-20 (0-2) **York Sample ID:** 13E0744-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:44 am	05/22/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-85-7	beta-BHC	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
319-84-6	alpha-BHC	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
309-00-2	Aldrin	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
50-29-3	4,4'-DDT	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
72-55-9	4,4'-DDE	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
72-54-8	4,4'-DDD	ND	U	mg/kg dry	0.00181	0.00181	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:02	JW
11096-82-5	Aroclor 1260	ND	U	mg/kg dry	0.0187	0.0187	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 12:25	JW
11097-69-1	Aroclor 1254	ND	U	mg/kg dry	0.0187	0.0187	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 12:25	JW
12672-29-6	Aroclor 1248	ND	U	mg/kg dry	0.0187	0.0187	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 12:25	JW
53469-21-9	Aroclor 1242	ND	U	mg/kg dry	0.0187	0.0187	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 12:25	JW
11141-16-5	Aroclor 1232	ND	U	mg/kg dry	0.0187	0.0187	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 12:25	JW
11104-28-2	Aroclor 1221	ND	U	mg/kg dry	0.0187	0.0187	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 12:25	JW
12674-11-2	Aroclor 1016	ND	U	mg/kg dry	0.0187	0.0187	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 12:25	JW
1336-36-3	Total PCBs	ND	U	mg/kg dry	0.00747	0.0187	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 12:25	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*45.9 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*40.9 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**14800**		mg/kg dry	1.12	2.20	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.242	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-38-2	Arsenic	**3.14**		mg/kg dry	0.374	1.10	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-39-3	Barium	**81.6**		mg/kg dry	0.143	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.110	0.110	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.110	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-70-2	Calcium	**1120**		mg/kg dry	0.044	5.49	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-47-3	Chromium	**31.7**		mg/kg dry	0.132	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-48-4	Cobalt	**9.83**		mg/kg dry	0.088	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-50-8	Copper	**22.1**		mg/kg dry	0.132	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7439-89-6	Iron	**20100**		mg/kg dry	0.714	2.20	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7439-92-1	Lead	**6.44**		mg/kg dry	0.187	0.330	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7439-95-4	Magnesium	**4670**		mg/kg dry	0.495	5.49	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7439-96-5	Manganese	**417**		mg/kg dry	0.121	1.10	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW

Sample Information

Client Sample ID: LG-20 (0-2) **York Sample ID:** 13E0744-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:44 am	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	**25.1**		mg/kg dry	0.143	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-09-7	Potassium	**1720**		mg/kg dry	3.71	11.0	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7782-49-2	Selenium	ND	U	mg/kg dry	0.549	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.110	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-23-5	Sodium	**151**	B	mg/kg dry	5.79	11.0	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.352	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-62-2	Vanadium	**33.5**		mg/kg dry	0.121	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW
7440-66-6	Zinc	**43.1**		mg/kg dry	0.099	0.549	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:42	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0363	0.0363	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**91.0**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: LG-20 (22-24) **York Sample ID:** 13E0744-04

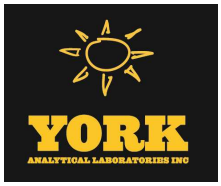
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 12:01 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS



Sample Information

Client Sample ID: **LG-20 (22-24)** **York Sample ID:** **13E0744-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 12:01 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.052	0.10	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
67-64-1	Acetone	**0.0042**	J, B	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS

Sample Information

Client Sample ID: LG-20 (22-24) **York Sample ID:** 13E0744-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 12:01 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
75-09-2	Methylene chloride	**0.0058**	J	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0052	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0078	0.016	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:04	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*114 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*84-117*

Sample Information

Client Sample ID: LG-20 (22-24) **York Sample ID:** 13E0744-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 12:01 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0699	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.0927	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.110	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
120-12-7	Anthracene	**0.110**	J	mg/kg dry	0.105	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
56-55-3	Benzo(a)anthracene	**0.159**	J	mg/kg dry	0.0722	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
50-32-8	Benzo(a)pyrene	**0.158**	J	mg/kg dry	0.0765	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.162	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
191-24-2	Benzo(g,h,i)perylene	**0.0857**	J	mg/kg dry	0.0641	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.107	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.0931	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.130	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0502	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0664	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.0985	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0680	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.133	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.104	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0637	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.113	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
218-01-9	Chrysene	**0.155**	J	mg/kg dry	0.0888	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.0776	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.0900	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.0784	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.126	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.119	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0610	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.101	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.158	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.121	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.135	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR

Sample Information

Client Sample ID: LG-20 (22-24) **York Sample ID:** 13E0744-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 12:01 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.0861	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.243	0.386	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.168	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.162	0.386	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.0993	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.0854	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
206-44-0	Fluoranthene	**0.390**		mg/kg dry	0.113	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.0927	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.114	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0653	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.144	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0552	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.0881	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0664	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.148	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.0734	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.0838	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0475	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.192	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.0800	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0568	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.0726	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0525	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0645	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.0792	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.0873	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.146	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
85-01-8	Phenanthrene	**0.390**		mg/kg dry	0.101	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.0834	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
129-00-0	Pyrene	**0.244**		mg/kg dry	0.0788	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.136	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR

Sample Information

Client Sample ID: LG-20 (22-24) **York Sample ID:** 13E0744-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 12:01 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0699	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.150	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.0981	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 19:30	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*72.8 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*53.4 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*56.5 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.6 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*61.5 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*50.3 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 12:54	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 12:54	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 12:54	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 12:54	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 12:54	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 12:54	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 12:54	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 12:54	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*47.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.8 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**12600**		mg/kg dry	1.18	2.32	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.255	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-38-2	Arsenic	**5.72**		mg/kg dry	0.394	1.16	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-39-3	Barium	**102**		mg/kg dry	0.151	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.116	0.116	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.116	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-70-2	Calcium	**1700**		mg/kg dry	0.046	5.79	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW

Sample Information

Client Sample ID: LG-20 (22-24) **York Sample ID:** 13E0744-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 12:01 pm	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	**25.9**		mg/kg dry	0.139	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-48-4	Cobalt	**11.6**		mg/kg dry	0.093	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-50-8	Copper	**26.8**		mg/kg dry	0.139	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7439-89-6	Iron	**17500**		mg/kg dry	0.753	2.32	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7439-92-1	Lead	**22.5**		mg/kg dry	0.197	0.348	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7439-95-4	Magnesium	**4120**		mg/kg dry	0.521	5.79	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7439-96-5	Manganese	**223**		mg/kg dry	0.127	1.16	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-02-0	Nickel	**21.5**		mg/kg dry	0.151	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-09-7	Potassium	**1220**		mg/kg dry	3.92	11.6	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7782-49-2	Selenium	**0.872**		mg/kg dry	0.579	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.116	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-23-5	Sodium	**249**	B	mg/kg dry	6.11	11.6	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.371	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-62-2	Vanadium	**29.4**		mg/kg dry	0.127	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW
7440-66-6	Zinc	**57.5**		mg/kg dry	0.104	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:47	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0382	0.0382	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**86.3**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: LG-21 (0-2) **York Sample ID:** 13E0744-05

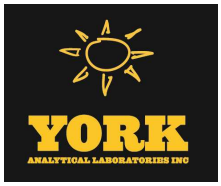
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:55 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS



Sample Information

Client Sample ID: LG-21 (0-2) **York Sample ID:** 13E0744-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:55 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.050	0.10	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
67-64-1	Acetone	ND	U	mg/kg dry	0.0025	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS

Sample Information

Client Sample ID: LG-21 (0-2) **York Sample ID:** 13E0744-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:55 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
75-09-2	Methylene chloride	**0.0046**	J	mg/kg dry	0.0025	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0025	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0050	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0075	0.015	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 16:45	SS

Sample Information

Client Sample ID: LG-21 (0-2) **York Sample ID:** 13E0744-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:55 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*		*73-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*118 %*		*72-127*							
2037-26-5	*Surrogate: Toluene-d8*	*103 %*		*84-117*							

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	**0.151**	J	mg/kg dry	0.0697	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.0925	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.110	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
120-12-7	Anthracene	**0.296**		mg/kg dry	0.105	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
56-55-3	Benzo(a)anthracene	**0.577**		mg/kg dry	0.0721	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
50-32-8	Benzo(a)pyrene	**0.431**		mg/kg dry	0.0763	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
205-99-2	Benzo(b)fluoranthene	**0.420**		mg/kg dry	0.161	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
191-24-2	Benzo(g,h,i)perylene	**0.234**		mg/kg dry	0.0640	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
207-08-9	Benzo(k)fluoranthene	**0.406**		mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.106	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.0929	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.130	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0501	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0663	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.0983	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0678	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.133	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.104	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0636	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.113	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
218-01-9	Chrysene	**0.505**		mg/kg dry	0.0886	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.0774	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.0898	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.0782	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.126	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.119	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR

Sample Information

Client Sample ID: LG-21 (0-2) **York Sample ID:** 13E0744-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:55 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0609	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.101	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.157	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.121	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.135	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.0859	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.168	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.243	0.385	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.162	0.385	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.0990	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.0852	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
206-44-0	Fluoranthene	**1.04**		mg/kg dry	0.113	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
86-73-7	Fluorene	**0.129**	J	mg/kg dry	0.0925	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.114	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0651	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.143	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0551	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
193-39-5	Indeno(1,2,3-cd)pyrene	**0.267**		mg/kg dry	0.0879	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0663	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.148	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.0732	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.0836	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0474	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.191	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.0798	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0566	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.0724	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0524	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0643	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.0790	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.0871	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR

Sample Information

Client Sample ID: LG-21 (0-2) **York Sample ID:** 13E0744-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:55 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.145	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
85-01-8	Phenanthrene	**0.847**		mg/kg dry	0.101	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.0832	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
129-00-0	Pyrene	**0.707**		mg/kg dry	0.0786	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.135	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0697	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.149	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.0979	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:01	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*64.7 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*51.4 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*50.5 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*54.1 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*54.3 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*46.8 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	mg/kg dry	0.0965	0.0965	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
72-43-5	Methoxychlor	ND	U	mg/kg dry	0.00954	0.00954	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
1024-57-3	Heptachlor epoxide	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
76-44-8	Heptachlor	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
58-89-9	gamma-BHC (Lindane)	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
53494-70-5	Endrin ketone	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
7421-93-4	Endrin aldehyde	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
72-20-8	Endrin	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
1031-07-8	Endosulfan sulfate	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
33213-65-9	Endosulfan II	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
959-98-8	Endosulfan I	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
60-57-1	Dieldrin	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
319-86-8	delta-BHC	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
57-74-9	Chlordane, total	ND	U	mg/kg dry	0.00763	0.00763	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
319-85-7	beta-BHC	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
319-84-6	alpha-BHC	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW

Sample Information

Client Sample ID: LG-21 (0-2) **York Sample ID:** 13E0744-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:55 am	05/22/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
50-29-3	4,4'-DDT	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
72-55-9	4,4'-DDE	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
72-54-8	4,4'-DDD	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:17	JW
11096-82-5	Aroclor 1260	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:23	JW
11097-69-1	Aroclor 1254	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:23	JW
12672-29-6	Aroclor 1248	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:23	JW
53469-21-9	Aroclor 1242	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:23	JW
11141-16-5	Aroclor 1232	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:23	JW
11104-28-2	Aroclor 1221	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:23	JW
12674-11-2	Aroclor 1016	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:23	JW
1336-36-3	Total PCBs	ND	U	mg/kg dry	0.00786	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 13:23	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*41.3 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*30.1 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**15100**		mg/kg dry	1.18	2.31	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.254	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-38-2	Arsenic	**4.30**		mg/kg dry	0.393	1.16	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-39-3	Barium	**81.5**		mg/kg dry	0.150	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.116	0.116	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.116	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-70-2	Calcium	**1590**		mg/kg dry	0.046	5.78	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-47-3	Chromium	**28.0**		mg/kg dry	0.139	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-48-4	Cobalt	**9.40**		mg/kg dry	0.092	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-50-8	Copper	**17.0**		mg/kg dry	0.139	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7439-89-6	Iron	**20200**		mg/kg dry	0.751	2.31	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7439-92-1	Lead	**51.7**		mg/kg dry	0.197	0.347	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7439-95-4	Magnesium	**5370**		mg/kg dry	0.520	5.78	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7439-96-5	Manganese	**380**		mg/kg dry	0.127	1.16	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-02-0	Nickel	**23.2**		mg/kg dry	0.150	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-09-7	Potassium	**1010**		mg/kg dry	3.91	11.6	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW

Sample Information

Client Sample ID: LG-21 (0-2) **York Sample ID:** 13E0744-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 10:55 am	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	Selenium	ND	U	mg/kg dry	0.578	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.116	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-23-5	Sodium	**144**	B	mg/kg dry	6.09	11.6	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.370	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-62-2	Vanadium	**31.6**		mg/kg dry	0.127	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW
7440-66-6	Zinc	**57.6**		mg/kg dry	0.104	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:51	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0381	0.0381	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**86.5**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: LG-21 (20-22) **York Sample ID:** 13E0744-06

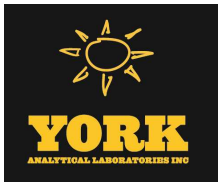
York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:25 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS



Sample Information

Client Sample ID: LG-21 (20-22) **York Sample ID:** 13E0744-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:25 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.052	0.10	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
78-93-3	2-Butanone	**0.0034**	J	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
67-64-1	Acetone	**0.023**	B	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS

Sample Information

Client Sample ID: LG-21 (20-22) **York Sample ID:** 13E0744-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:25 am	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
75-09-2	Methylene chloride	**0.0059**	J	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0052	0.010	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0078	0.016	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 17:25	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*115 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*84-117*

Sample Information

Client Sample ID: LG-21 (20-22) **York Sample ID:** 13E0744-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:25 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0692	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.0918	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.109	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.104	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
56-55-3	Benzo(a)anthracene	**0.0777**	J	mg/kg dry	0.0715	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
50-32-8	Benzo(a)pyrene	**0.120**	J	mg/kg dry	0.0757	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.160	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
191-24-2	Benzo(g,h,i)perylene	**0.0738**	J	mg/kg dry	0.0635	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.191	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.191	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.106	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.0922	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.129	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0497	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0658	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.0975	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0673	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.132	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.103	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0631	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.112	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
218-01-9	Chrysene	ND	U	mg/kg dry	0.0880	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.0769	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.0891	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.0777	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.125	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.118	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0604	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.100	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.156	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.120	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.134	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR

Sample Information

Client Sample ID: LG-21 (20-22) **York Sample ID:** 13E0744-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:25 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.0853	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.241	0.383	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.167	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.161	0.383	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.0983	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.0845	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.191	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
206-44-0	Fluoranthene	ND	U	mg/kg dry	0.112	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.0918	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.113	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0646	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.142	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0547	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.0872	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0658	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.147	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.0727	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.0830	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0471	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.190	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.0792	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0562	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.0719	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0520	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0639	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.0784	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.0865	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.144	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
85-01-8	Phenanthrene	ND	U	mg/kg dry	0.0998	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.0826	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
129-00-0	Pyrene	**0.0956**	J	mg/kg dry	0.0780	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.134	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR

Sample Information

Client Sample ID: LG-21 (20-22) **York Sample ID:** 13E0744-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:25 am	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0692	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.148	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.0972	0.191	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 20:31	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*79.9 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*60.5 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*61.3 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.8 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*64.7 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*55.4 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	0.0195	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 13:53	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	0.0195	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 13:53	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	0.0195	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 13:53	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	0.0195	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 13:53	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	0.0195	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 13:53	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	0.0195	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 13:53	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	0.0195	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 13:53	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.0195	0.0195	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 13:53	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*57.2 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**14200**		mg/kg dry	1.17	2.30	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.252	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-38-2	Arsenic	**2.80**		mg/kg dry	0.390	1.15	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-39-3	Barium	**140**		mg/kg dry	0.149	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.115	0.115	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.115	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-70-2	Calcium	**2300**		mg/kg dry	0.046	5.74	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW

Sample Information

Client Sample ID: LG-21 (20-22) **York Sample ID:** 13E0744-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 11:25 am	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	**32.9**		mg/kg dry	0.138	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-48-4	Cobalt	**12.2**		mg/kg dry	0.092	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-50-8	Copper	**35.0**		mg/kg dry	0.138	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7439-89-6	Iron	**20500**		mg/kg dry	0.746	2.30	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7439-92-1	Lead	**8.18**		mg/kg dry	0.195	0.344	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7439-95-4	Magnesium	**7080**		mg/kg dry	0.516	5.74	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7439-96-5	Manganese	**274**		mg/kg dry	0.126	1.15	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-02-0	Nickel	**25.4**		mg/kg dry	0.149	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-09-7	Potassium	**2600**		mg/kg dry	3.88	11.5	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7782-49-2	Selenium	**1.07**		mg/kg dry	0.574	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.115	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-23-5	Sodium	**274**	B	mg/kg dry	6.05	11.5	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.367	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-62-2	Vanadium	**51.9**		mg/kg dry	0.126	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW
7440-66-6	Zinc	**59.9**		mg/kg dry	0.103	0.574	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 20:56	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0379	0.0379	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**87.1**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: MW-10 (1-3) **York Sample ID:** 13E0744-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:33 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS

Sample Information

Client Sample ID: MW-10 (1-3) **York Sample ID:** 13E0744-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:33 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.049	0.099	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
67-64-1	Acetone	**0.0033**	J, B	mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS

Sample Information

Client Sample ID: MW-10 (1-3) **York Sample ID:** 13E0744-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:33 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
75-09-2	Methylene chloride	**0.0050**	J	mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0049	0.0099	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0074	0.015	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:06	SS

Sample Information

Client Sample ID: MW-10 (1-3) **York Sample ID:** 13E0744-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:33 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*		*73-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*115 %*		*72-127*							
2037-26-5	*Surrogate: Toluene-d8*	*102 %*		*84-117*							

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0674	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.0894	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.107	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.102	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
56-55-3	Benzo(a)anthracene	**0.230**		mg/kg dry	0.0697	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
50-32-8	Benzo(a)pyrene	**0.238**		mg/kg dry	0.0738	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
205-99-2	Benzo(b)fluoranthene	**0.200**		mg/kg dry	0.156	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
191-24-2	Benzo(g,h,i)perylene	**0.159**	J	mg/kg dry	0.0619	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.186	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
207-08-9	Benzo(k)fluoranthene	**0.249**		mg/kg dry	0.186	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.103	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.0898	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.126	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0484	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0641	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.0950	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0656	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.129	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.101	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0615	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.109	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
218-01-9	Chrysene	**0.234**		mg/kg dry	0.0857	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
53-70-3	Dibenzo(a,h)anthracene	**0.0909**	J	mg/kg dry	0.0749	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.0868	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.0756	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.122	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR

Sample Information

Client Sample ID: MW-10 (1-3) **York Sample ID:** 13E0744-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:33 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.115	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0589	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.0976	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.152	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.117	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.130	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.0831	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.162	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.235	0.373	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.157	0.373	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.0958	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.0824	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.186	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
206-44-0	Fluoranthene	**0.404**		mg/kg dry	0.109	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.0894	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.110	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0630	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.139	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0533	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
193-39-5	Indeno(1,2,3-cd)pyrene	**0.167**	J	mg/kg dry	0.0850	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0641	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.143	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.0708	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.0809	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0458	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.185	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.0771	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0548	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.0701	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0507	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0622	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.0764	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR

Sample Information

Client Sample ID: MW-10 (1-3) **York Sample ID:** 13E0744-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:33 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.0842	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.140	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
85-01-8	Phenanthrene	**0.144**	J	mg/kg dry	0.0973	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.0805	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
129-00-0	Pyrene	**0.280**		mg/kg dry	0.0760	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.131	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0674	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.145	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.0946	0.186	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:02	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*76.5 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*57.3 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*52.7 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*60.0 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*56.6 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*53.3 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	mg/kg dry	0.0933	0.0933	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
72-43-5	Methoxychlor	ND	U	mg/kg dry	0.00922	0.00922	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
1024-57-3	Heptachlor epoxide	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
76-44-8	Heptachlor	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
58-89-9	gamma-BHC (Lindane)	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
53494-70-5	Endrin ketone	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
7421-93-4	Endrin aldehyde	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
72-20-8	Endrin	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
1031-07-8	Endosulfan sulfate	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
33213-65-9	Endosulfan II	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
959-98-8	Endosulfan I	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
60-57-1	Dieldrin	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
319-86-8	delta-BHC	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
57-74-9	Chlordane, total	ND	U	mg/kg dry	0.00738	0.00738	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
319-85-7	beta-BHC	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW

Sample Information

Client Sample ID: MW-10 (1-3) **York Sample ID:** 13E0744-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:33 pm	05/22/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
309-00-2	Aldrin	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
50-29-3	4,4'-DDT	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
72-55-9	4,4'-DDE	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
72-54-8	4,4'-DDD	ND	U	mg/kg dry	0.00184	0.00184	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:32	JW
11096-82-5	Aroclor 1260	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:22	JW
11097-69-1	Aroclor 1254	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:22	JW
12672-29-6	Aroclor 1248	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:22	JW
53469-21-9	Aroclor 1242	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:22	JW
11141-16-5	Aroclor 1232	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:22	JW
11104-28-2	Aroclor 1221	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:22	JW
12674-11-2	Aroclor 1016	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:22	JW
1336-36-3	Total PCBs	ND	U	mg/kg dry	0.00760	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:22	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.6 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*37.1 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**12100**		mg/kg dry	1.14	2.24	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.246	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-38-2	Arsenic	**2.92**		mg/kg dry	0.380	1.12	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-39-3	Barium	**72.4**		mg/kg dry	0.145	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.112	0.112	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.112	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-70-2	Calcium	**5190**		mg/kg dry	0.045	5.59	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-47-3	Chromium	**27.4**		mg/kg dry	0.134	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-48-4	Cobalt	**10.4**		mg/kg dry	0.089	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-50-8	Copper	**30.7**		mg/kg dry	0.134	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7439-89-6	Iron	**18700**		mg/kg dry	0.727	2.24	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7439-92-1	Lead	**35.8**		mg/kg dry	0.190	0.335	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7439-95-4	Magnesium	**7530**		mg/kg dry	0.503	5.59	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7439-96-5	Manganese	**307**		mg/kg dry	0.123	1.12	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-02-0	Nickel	**30.7**		mg/kg dry	0.145	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW

Sample Information

Client Sample ID: MW-10 (1-3) **York Sample ID:** 13E0744-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:33 pm	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	**2000**		mg/kg dry	3.78	11.2	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7782-49-2	Selenium	ND	U	mg/kg dry	0.559	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.112	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-23-5	Sodium	**195**	B	mg/kg dry	5.89	11.2	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.358	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-62-2	Vanadium	**34.1**		mg/kg dry	0.123	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW
7440-66-6	Zinc	**77.4**		mg/kg dry	0.101	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:01	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0369	0.0369	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**89.5**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: MW-10 (32-34) **York Sample ID:** 13E0744-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:55 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS

Sample Information

Client Sample ID: MW-10 (32-34) **York Sample ID:** 13E0744-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:55 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.062	0.12	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
67-64-1	Acetone	**0.0044**	J, B	mg/kg dry	0.0031	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS

Sample Information

Client Sample ID: MW-10 (32-34) **York Sample ID:** 13E0744-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:55 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
75-09-2	Methylene chloride	**0.0088**	J	mg/kg dry	0.0031	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0031	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0062	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0092	0.018	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0031	0.0062	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 18:47	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*109 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*99.8 %*	*84-117*

Sample Information

Client Sample ID: MW-10 (32-34) **York Sample ID:** 13E0744-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:55 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0698	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.0925	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.110	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.105	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
56-55-3	Benzo(a)anthracene	ND	U	mg/kg dry	0.0721	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
50-32-8	Benzo(a)pyrene	ND	U	mg/kg dry	0.0763	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.162	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0640	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.106	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.0929	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.130	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0501	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0663	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.0983	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0679	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.133	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.104	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0636	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.113	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
218-01-9	Chrysene	ND	U	mg/kg dry	0.0887	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.0775	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.0898	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.0783	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.126	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.119	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0609	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.101	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.157	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.121	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.135	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR

Sample Information

Client Sample ID: MW-10 (32-34) **York Sample ID:** 13E0744-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:55 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.0860	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.243	0.386	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.168	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.162	0.386	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.0991	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.0852	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
206-44-0	Fluoranthene	ND	U	mg/kg dry	0.113	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.0925	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.114	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0652	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.143	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0551	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.0879	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0663	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.148	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.0733	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.0837	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0474	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.192	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.0798	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0567	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.0725	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0524	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0644	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.0790	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.0871	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.145	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
85-01-8	Phenanthrene	ND	U	mg/kg dry	0.101	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.0833	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
129-00-0	Pyrene	ND	U	mg/kg dry	0.0787	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.135	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR

Sample Information

Client Sample ID: MW-10 (32-34) **York Sample ID:** 13E0744-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:55 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0698	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.150	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.0979	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 21:32	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*74.1 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*57.7 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*58.6 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*63.4 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*61.2 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*55.8 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 14:51	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 14:51	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 14:51	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 14:51	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 14:51	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 14:51	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 14:51	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.0197	0.0197	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 14:51	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*70.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*67.7 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**4770**		mg/kg dry	1.18	2.31	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.254	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-38-2	Arsenic	**1.33**		mg/kg dry	0.393	1.16	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-39-3	Barium	**41.1**		mg/kg dry	0.150	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.116	0.116	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.116	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-70-2	Calcium	**1200**		mg/kg dry	0.046	5.78	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW

Sample Information

Client Sample ID: MW-10 (32-34) **York Sample ID:** 13E0744-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:55 pm	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	**11.5**		mg/kg dry	0.139	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-48-4	Cobalt	**5.36**		mg/kg dry	0.093	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-50-8	Copper	**10.9**		mg/kg dry	0.139	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7439-89-6	Iron	**10700**		mg/kg dry	0.752	2.31	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7439-92-1	Lead	**3.85**		mg/kg dry	0.197	0.347	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7439-95-4	Magnesium	**2170**		mg/kg dry	0.520	5.78	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7439-96-5	Manganese	**188**		mg/kg dry	0.127	1.16	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-02-0	Nickel	**13.6**		mg/kg dry	0.150	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-09-7	Potassium	**1150**		mg/kg dry	3.91	11.6	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7782-49-2	Selenium	**0.780**		mg/kg dry	0.578	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.116	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-23-5	Sodium	**320**	B	mg/kg dry	6.10	11.6	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.370	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-62-2	Vanadium	**15.0**		mg/kg dry	0.127	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW
7440-66-6	Zinc	**22.8**		mg/kg dry	0.104	0.578	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:05	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0382	0.0382	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**86.5**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: LG-19 (0-2) **York Sample ID:** 13E0744-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:06 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS

Sample Information

Client Sample ID: LG-19 (0-2) **York Sample ID:** 13E0744-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:06 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.075	0.15	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
67-64-1	Acetone	**0.0093**	J	mg/kg dry	0.0037	0.015	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS

Sample Information

Client Sample ID: LG-19 (0-2) **York Sample ID:** 13E0744-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:06 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
75-09-2	Methylene chloride	**0.0086**	J, B	mg/kg dry	0.0037	0.015	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0037	0.015	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0075	0.015	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.011	0.022	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0037	0.0075	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:49	SS

Sample Information

Client Sample ID: LG-19 (0-2) **York Sample ID:** 13E0744-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:06 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*		*73-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*118 %*		*72-127*							
2037-26-5	*Surrogate: Toluene-d8*	*110 %*		*84-117*							

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.338	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.448	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.533	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.509	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
56-55-3	Benzo(a)anthracene	**0.972**	D	mg/kg dry	0.349	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
50-32-8	Benzo(a)pyrene	**1.04**	D	mg/kg dry	0.369	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
205-99-2	Benzo(b)fluoranthene	**0.858**	J, D	mg/kg dry	0.781	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
191-24-2	Benzo(g,h,i)perylene	**0.569**	J, D	mg/kg dry	0.310	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.932	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
207-08-9	Benzo(k)fluoranthene	**1.05**	D	mg/kg dry	0.932	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.515	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.449	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.628	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.242	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.321	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.476	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.328	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.643	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.503	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.308	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.546	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
218-01-9	Chrysene	**0.988**	D	mg/kg dry	0.429	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.375	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.434	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.379	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.610	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR

Sample Information

Client Sample ID: LG-19 (0-2) **York Sample ID:** 13E0744-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:06 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.574	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.295	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.489	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.761	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.586	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.653	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.416	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.813	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	1.17	1.86	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.783	1.86	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.479	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.412	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.932	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
206-44-0	Fluoranthene	**1.55**	D	mg/kg dry	0.546	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.448	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.550	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.315	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.694	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.267	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
193-39-5	Indeno(1,2,3-cd)pyrene	**0.597**	J, D	mg/kg dry	0.425	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.321	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.716	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.354	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.405	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.229	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.927	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.386	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.274	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.351	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.254	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.311	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.382	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR

Sample Information

Client Sample ID: LG-19 (0-2) **York Sample ID:** 13E0744-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:06 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.421	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.703	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
85-01-8	Phenanthrene	**0.600**	J, D	mg/kg dry	0.487	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.403	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
129-00-0	Pyrene	**1.22**	D	mg/kg dry	0.380	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.655	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.338	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.724	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.474	0.932	5	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:03	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*79.1 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*74.6 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*56.3 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*63.0 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*67.7 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*65.7 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	mg/kg dry	0.0934	0.0934	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
72-43-5	Methoxychlor	ND	U	mg/kg dry	0.00923	0.00923	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
1024-57-3	Heptachlor epoxide	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
76-44-8	Heptachlor	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
58-89-9	gamma-BHC (Lindane)	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
53494-70-5	Endrin ketone	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
7421-93-4	Endrin aldehyde	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
72-20-8	Endrin	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
1031-07-8	Endosulfan sulfate	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
33213-65-9	Endosulfan II	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
959-98-8	Endosulfan I	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
60-57-1	Dieldrin	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
319-86-8	delta-BHC	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
57-74-9	Chlordane, total	ND	U	mg/kg dry	0.00738	0.00738	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
319-85-7	beta-BHC	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW

Sample Information

Client Sample ID: LG-19 (0-2) **York Sample ID:** 13E0744-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:06 pm	05/22/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
309-00-2	Aldrin	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
50-29-3	4,4'-DDT	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
72-55-9	4,4'-DDE	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
72-54-8	4,4'-DDD	ND	U	mg/kg dry	0.00185	0.00185	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 14:47	JW
11096-82-5	Aroclor 1260	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:20	JW
11097-69-1	Aroclor 1254	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:20	JW
12672-29-6	Aroclor 1248	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:20	JW
53469-21-9	Aroclor 1242	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:20	JW
11141-16-5	Aroclor 1232	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:20	JW
11104-28-2	Aroclor 1221	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:20	JW
12674-11-2	Aroclor 1016	ND	U	mg/kg dry	0.0190	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:20	JW
1336-36-3	Total PCBs	ND	U	mg/kg dry	0.00761	0.0190	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:20	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.9 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*56.3 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**11100**		mg/kg dry	1.14	2.24	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.246	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-38-2	Arsenic	**3.07**		mg/kg dry	0.380	1.12	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-39-3	Barium	**110**		mg/kg dry	0.145	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.112	0.112	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.112	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-70-2	Calcium	**9460**		mg/kg dry	0.045	5.59	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-47-3	Chromium	**26.6**		mg/kg dry	0.134	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-48-4	Cobalt	**9.20**		mg/kg dry	0.090	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-50-8	Copper	**35.4**		mg/kg dry	0.134	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7439-89-6	Iron	**18200**		mg/kg dry	0.727	2.24	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7439-92-1	Lead	**58.7**		mg/kg dry	0.190	0.336	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7439-95-4	Magnesium	**6320**		mg/kg dry	0.503	5.59	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7439-96-5	Manganese	**292**		mg/kg dry	0.123	1.12	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-02-0	Nickel	**23.6**		mg/kg dry	0.145	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW

Sample Information

Client Sample ID: LG-19 (0-2) **York Sample ID:** 13E0744-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:06 pm	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	**2560**		mg/kg dry	3.78	11.2	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7782-49-2	Selenium	ND	U	mg/kg dry	0.559	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.112	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-23-5	Sodium	**203**	B	mg/kg dry	5.90	11.2	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.358	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-62-2	Vanadium	**32.6**		mg/kg dry	0.123	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW
7440-66-6	Zinc	**90.0**		mg/kg dry	0.101	0.559	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:10	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0369	0.0369	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**89.4**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: LG-19 (26-28) **York Sample ID:** 13E0744-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:20 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS

Sample Information

Client Sample ID: LG-19 (26-28) **York Sample ID:** 13E0744-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:20 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.059	0.12	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
67-64-1	Acetone	**0.0041**	J, B	mg/kg dry	0.0029	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS

Sample Information

Client Sample ID: LG-19 (26-28) **York Sample ID:** 13E0744-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:20 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
75-09-2	Methylene chloride	**0.0059**	J	mg/kg dry	0.0029	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0029	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0059	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0088	0.018	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0029	0.0059	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:10	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*73-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*	*72-127*
2037-26-5	*Surrogate: Toluene-d8*	*95.7 %*	*84-117*

Sample Information

Client Sample ID: LG-19 (26-28) **York Sample ID:** 13E0744-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:20 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0682	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.0905	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.108	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.103	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
56-55-3	Benzo(a)anthracene	ND	U	mg/kg dry	0.0705	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
50-32-8	Benzo(a)pyrene	ND	U	mg/kg dry	0.0746	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.158	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0626	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.188	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.188	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.104	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.0909	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.127	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0490	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0648	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.0961	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0663	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.130	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.102	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0622	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.110	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
218-01-9	Chrysene	ND	U	mg/kg dry	0.0867	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.0758	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.0878	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.0765	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.123	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.116	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0596	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.0988	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.154	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.118	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.132	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR

Sample Information

Client Sample ID: LG-19 (26-28) **York Sample ID:** 13E0744-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:20 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.0841	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.237	0.377	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.164	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.158	0.377	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.0969	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.0833	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.188	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
206-44-0	Fluoranthene	ND	U	mg/kg dry	0.110	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.0905	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.111	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0637	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.140	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0539	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.0860	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0648	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.145	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.0716	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.0818	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0464	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.187	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.0780	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0554	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.0709	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0513	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0630	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.0773	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.0852	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.142	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
85-01-8	Phenanthrene	ND	U	mg/kg dry	0.0984	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.0814	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
129-00-0	Pyrene	ND	U	mg/kg dry	0.0769	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.132	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR

Sample Information

Client Sample ID: LG-19 (26-28) **York Sample ID:** 13E0744-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:20 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0682	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.146	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.0958	0.188	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 22:33	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*68.8 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*50.2 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*51.5 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*56.5 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*54.0 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*55.5 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	0.0192	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 15:50	JW
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	0.0192	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 15:50	JW
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	0.0192	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 15:50	JW
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	0.0192	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 15:50	JW
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	0.0192	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 15:50	JW
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	0.0192	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 15:50	JW
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	0.0192	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 15:50	JW
1336-36-3	Total PCBs	ND		mg/kg dry	0.0192	0.0192	1	EPA SW 846-8082A	05/24/2013 06:50	05/28/2013 15:50	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.0 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*73.6 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**7220**		mg/kg dry	1.15	2.26	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.249	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-38-2	Arsenic	**1.22**		mg/kg dry	0.385	1.13	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-39-3	Barium	**45.2**		mg/kg dry	0.147	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.113	0.113	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.113	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-70-2	Calcium	**1170**		mg/kg dry	0.045	5.65	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW

Sample Information

Client Sample ID: LG-19 (26-28) **York Sample ID:** 13E0744-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 1:20 pm	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	**12.2**		mg/kg dry	0.136	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-48-4	Cobalt	**6.37**		mg/kg dry	0.090	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-50-8	Copper	**10.8**		mg/kg dry	0.136	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7439-89-6	Iron	**10200**		mg/kg dry	0.735	2.26	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7439-92-1	Lead	**3.74**		mg/kg dry	0.192	0.339	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7439-95-4	Magnesium	**1950**		mg/kg dry	0.509	5.65	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7439-96-5	Manganese	**202**		mg/kg dry	0.124	1.13	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-02-0	Nickel	**14.0**		mg/kg dry	0.147	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-09-7	Potassium	**1000**		mg/kg dry	3.82	11.3	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7782-49-2	Selenium	**0.671**		mg/kg dry	0.565	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.113	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-23-5	Sodium	**183**	B	mg/kg dry	5.96	11.3	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.362	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-62-2	Vanadium	**14.5**		mg/kg dry	0.124	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW
7440-66-6	Zinc	**23.1**		mg/kg dry	0.102	0.565	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:15	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0373	0.0373	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**88.4**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: DUP-1 (052113) **York Sample ID:** 13E0744-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 3:00 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
71-55-6	1,1,1-Trichloroethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS

Sample Information

Client Sample ID: DUP-1 (052113) **York Sample ID:** 13E0744-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 3:00 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
79-00-5	1,1,2-Trichloroethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
75-34-3	1,1-Dichloroethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
75-35-4	1,1-Dichloroethylene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
563-58-6	1,1-Dichloropropylene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
96-18-4	1,2,3-Trichloropropane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
106-93-4	1,2-Dibromoethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
107-06-2	1,2-Dichloroethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
78-87-5	1,2-Dichloropropane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
142-28-9	1,3-Dichloropropane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
123-91-1	1,4-Dioxane	ND	U	mg/kg dry	0.061	0.12	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
594-20-7	2,2-Dichloropropane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
78-93-3	2-Butanone	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
95-49-8	2-Chlorotoluene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
106-43-4	4-Chlorotoluene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
67-64-1	Acetone	**0.0040**	J, B	mg/kg dry	0.0031	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
71-43-2	Benzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
108-86-1	Bromobenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
74-97-5	Bromochloromethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
75-27-4	Bromodichloromethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
75-25-2	Bromoform	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
74-83-9	Bromomethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
56-23-5	Carbon tetrachloride	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS

Sample Information

Client Sample ID: DUP-1 (052113) **York Sample ID:** 13E0744-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 3:00 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
75-00-3	Chloroethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
67-66-3	Chloroform	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
74-87-3	Chloromethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
124-48-1	Dibromochloromethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
74-95-3	Dibromomethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
75-71-8	Dichlorodifluoromethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
100-41-4	Ethyl Benzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
98-82-8	Isopropylbenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
75-09-2	Methylene chloride	**0.0055**	J	mg/kg dry	0.0031	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0031	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
104-51-8	n-Butylbenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
103-65-1	n-Propylbenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
95-47-6	o-Xylene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
179601-23-1	p- & m- Xylenes	ND	U	mg/kg dry	0.0061	0.012	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
99-87-6	p-Isopropyltoluene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
135-98-8	sec-Butylbenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
100-42-5	Styrene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
98-06-6	tert-Butylbenzene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
127-18-4	Tetrachloroethylene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
108-88-3	Toluene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
79-01-6	Trichloroethylene	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
75-69-4	Trichlorofluoromethane	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
75-01-4	Vinyl Chloride	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
1330-20-7	Xylenes, Total	ND	U	mg/kg dry	0.0092	0.018	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS
108-05-4	Vinyl acetate	ND	U	mg/kg dry	0.0031	0.0061	1	EPA SW846-8260B	05/23/2013 10:55	05/23/2013 20:52	SS

Sample Information

Client Sample ID: DUP-1 (052113) **York Sample ID:** 13E0744-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 3:00 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*		*73-130*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*122 %*		*72-127*							
2037-26-5	*Surrogate: Toluene-d8*	*107 %*		*84-117*							

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND	U	mg/kg dry	0.0699	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
208-96-8	Acenaphthylene	ND	U	mg/kg dry	0.0927	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
62-53-3	Aniline	ND	U	mg/kg dry	0.110	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
120-12-7	Anthracene	ND	U	mg/kg dry	0.105	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
56-55-3	Benzo(a)anthracene	**0.105**	J	mg/kg dry	0.0722	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
50-32-8	Benzo(a)pyrene	**0.102**	J	mg/kg dry	0.0765	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
205-99-2	Benzo(b)fluoranthene	ND	U	mg/kg dry	0.162	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
191-24-2	Benzo(g,h,i)perylene	ND	U	mg/kg dry	0.0641	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
100-51-6	Benzyl alcohol	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
207-08-9	Benzo(k)fluoranthene	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
85-68-7	Benzyl butyl phthalate	ND	U	mg/kg dry	0.107	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
101-55-3	4-Bromophenyl phenyl ether	ND	U	mg/kg dry	0.0931	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
59-50-7	4-Chloro-3-methylphenol	ND	U	mg/kg dry	0.130	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
106-47-8	4-Chloroaniline	ND	U	mg/kg dry	0.0502	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
111-91-1	Bis(2-chloroethoxy)methane	ND	U	mg/kg dry	0.0664	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
111-44-4	Bis(2-chloroethyl)ether	ND	U	mg/kg dry	0.0985	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND	U	mg/kg dry	0.0680	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND	U	mg/kg dry	0.133	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
91-58-7	2-Chloronaphthalene	ND	U	mg/kg dry	0.104	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
95-57-8	2-Chlorophenol	ND	U	mg/kg dry	0.0637	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND	U	mg/kg dry	0.113	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
218-01-9	Chrysene	**0.102**	J	mg/kg dry	0.0889	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
53-70-3	Dibenzo(a,h)anthracene	ND	U	mg/kg dry	0.0777	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
132-64-9	Dibenzofuran	ND	U	mg/kg dry	0.0900	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
84-74-2	Di-n-butyl phthalate	ND	U	mg/kg dry	0.0784	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
95-50-1	1,2-Dichlorobenzene	ND	U	mg/kg dry	0.126	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR

Sample Information

Client Sample ID: DUP-1 (052113) **York Sample ID:** 13E0744-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 3:00 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND	U	mg/kg dry	0.119	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
541-73-1	1,3-Dichlorobenzene	ND	U	mg/kg dry	0.0610	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
91-94-1	3,3'-Dichlorobenzidine	ND	U	mg/kg dry	0.101	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
120-83-2	2,4-Dichlorophenol	ND	U	mg/kg dry	0.158	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
84-66-2	Diethyl phthalate	ND	U	mg/kg dry	0.121	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
105-67-9	2,4-Dimethylphenol	ND	U	mg/kg dry	0.135	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
131-11-3	Dimethyl phthalate	ND	U	mg/kg dry	0.0862	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
88-74-4	2-Nitroaniline	ND	U	mg/kg dry	0.168	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	mg/kg dry	0.243	0.386	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
51-28-5	2,4-Dinitrophenol	ND	U	mg/kg dry	0.162	0.386	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
606-20-2	2,6-Dinitrotoluene	ND	U	mg/kg dry	0.0993	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
121-14-2	2,4-Dinitrotoluene	ND	U	mg/kg dry	0.0854	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
117-84-0	Di-n-octyl phthalate	ND	U	mg/kg dry	0.193	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
206-44-0	Fluoranthene	**0.204**		mg/kg dry	0.113	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
86-73-7	Fluorene	ND	U	mg/kg dry	0.0927	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
118-74-1	Hexachlorobenzene	ND	U	mg/kg dry	0.114	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
87-68-3	Hexachlorobutadiene	ND	U	mg/kg dry	0.0653	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
77-47-4	Hexachlorocyclopentadiene	ND	U	mg/kg dry	0.144	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
67-72-1	Hexachloroethane	ND	U	mg/kg dry	0.0552	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	mg/kg dry	0.0881	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
78-59-1	Isophorone	ND	U	mg/kg dry	0.0664	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
91-57-6	2-Methylnaphthalene	ND	U	mg/kg dry	0.148	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
95-48-7	2-Methylphenol	ND	U	mg/kg dry	0.0734	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
65794-96-9	3- & 4-Methylphenols	ND	U	mg/kg dry	0.0838	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
91-20-3	Naphthalene	ND	U	mg/kg dry	0.0475	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
99-09-2	3-Nitroaniline	ND	U	mg/kg dry	0.192	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
100-01-6	4-Nitroaniline	ND	U	mg/kg dry	0.0800	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
98-95-3	Nitrobenzene	ND	U	mg/kg dry	0.0568	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
100-02-7	4-Nitrophenol	ND	U	mg/kg dry	0.0726	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
88-75-5	2-Nitrophenol	ND	U	mg/kg dry	0.0525	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
621-64-7	N-nitroso-di-n-propylamine	ND	U	mg/kg dry	0.0645	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
62-75-9	N-Nitrosodimethylamine	ND	U	mg/kg dry	0.0792	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR

Sample Information

Client Sample ID: DUP-1 (052113) **York Sample ID:** 13E0744-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 3:00 pm	05/22/2013

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND	U	mg/kg dry	0.0873	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
87-86-5	Pentachlorophenol	ND	U	mg/kg dry	0.146	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
85-01-8	Phenanthrene	**0.107**	J	mg/kg dry	0.101	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
108-95-2	Phenol	ND	U	mg/kg dry	0.0834	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
129-00-0	Pyrene	**0.143**	J	mg/kg dry	0.0788	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
110-86-1	Pyridine	ND	U	mg/kg dry	0.136	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
120-82-1	1,2,4-Trichlorobenzene	ND	U	mg/kg dry	0.0699	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
95-95-4	2,4,5-Trichlorophenol	ND	U	mg/kg dry	0.150	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR
88-06-2	2,4,6-Trichlorophenol	ND	U	mg/kg dry	0.0981	0.193	1	EPA SW-846 8270C	05/24/2013 06:47	05/24/2013 23:04	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*79.8 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*63.1 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*57.2 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.1 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*62.7 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*59.5 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	mg/kg dry	0.0968	0.0968	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
72-43-5	Methoxychlor	ND	U	mg/kg dry	0.00956	0.00956	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
1024-57-3	Heptachlor epoxide	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
76-44-8	Heptachlor	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
58-89-9	gamma-BHC (Lindane)	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
53494-70-5	Endrin ketone	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
7421-93-4	Endrin aldehyde	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
72-20-8	Endrin	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
1031-07-8	Endosulfan sulfate	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
33213-65-9	Endosulfan II	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
959-98-8	Endosulfan I	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
60-57-1	Dieldrin	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
319-86-8	delta-BHC	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
57-74-9	Chlordane, total	ND	U	mg/kg dry	0.00765	0.00765	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
319-85-7	beta-BHC	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW

Sample Information

Client Sample ID: DUP-1 (052113) **York Sample ID:** 13E0744-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 3:00 pm	05/22/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-84-6	alpha-BHC	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
309-00-2	Aldrin	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
50-29-3	4,4'-DDT	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
72-55-9	4,4'-DDE	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
72-54-8	4,4'-DDD	ND	U	mg/kg dry	0.00191	0.00191	5	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 15:02	JW
11096-82-5	Aroclor 1260	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 16:19	JW
11097-69-1	Aroclor 1254	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 16:19	JW
12672-29-6	Aroclor 1248	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 16:19	JW
53469-21-9	Aroclor 1242	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 16:19	JW
11141-16-5	Aroclor 1232	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 16:19	JW
11104-28-2	Aroclor 1221	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 16:19	JW
12674-11-2	Aroclor 1016	ND	U	mg/kg dry	0.0197	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 16:19	JW
1336-36-3	Total PCBs	ND	U	mg/kg dry	0.00788	0.0197	1	EPA SW 846-8081/8082	05/24/2013 08:59	05/28/2013 16:19	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.9 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*47.9 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**14500**		mg/kg dry	1.18	2.32	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-36-0	Antimony	ND	U	mg/kg dry	0.255	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-38-2	Arsenic	**4.60**		mg/kg dry	0.394	1.16	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-39-3	Barium	**89.6**		mg/kg dry	0.151	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-41-7	Beryllium	ND	U	mg/kg dry	0.116	0.116	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-43-9	Cadmium	ND	U	mg/kg dry	0.116	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-70-2	Calcium	**1940**		mg/kg dry	0.046	5.79	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-47-3	Chromium	**28.7**		mg/kg dry	0.139	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-48-4	Cobalt	**9.43**		mg/kg dry	0.093	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-50-8	Copper	**18.6**		mg/kg dry	0.139	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7439-89-6	Iron	**20200**		mg/kg dry	0.753	2.32	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7439-92-1	Lead	**143**		mg/kg dry	0.197	0.348	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7439-95-4	Magnesium	**5040**		mg/kg dry	0.522	5.79	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7439-96-5	Manganese	**443**		mg/kg dry	0.127	1.16	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-02-0	Nickel	**25.2**		mg/kg dry	0.151	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW

Sample Information

Client Sample ID: DUP-1 (052113) **York Sample ID:** 13E0744-11

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Soil	May 21, 2013 3:00 pm	05/22/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	**1040**		mg/kg dry	3.92	11.6	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7782-49-2	Selenium	**1.25**		mg/kg dry	0.579	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-22-4	Silver	ND	U	mg/kg dry	0.116	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-23-5	Sodium	**123**	B	mg/kg dry	6.11	11.6	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-28-0	Thallium	ND	U	mg/kg dry	0.371	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-62-2	Vanadium	**31.8**		mg/kg dry	0.127	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW
7440-66-6	Zinc	**84.2**		mg/kg dry	0.104	0.579	1	EPA SW846-6010B	05/23/2013 16:16	05/23/2013 21:44	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	mg/kg dry	0.0382	0.0382	1	EPA SW846-7471	05/24/2013 10:58	05/24/2013 18:33	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	**86.3**		%	0.100	0.100	1	SM 2540G	05/23/2013 09:08	05/23/2013 12:26	AMC

Sample Information

Client Sample ID: TB_052113 **York Sample ID:** 13E0744-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Water	May 21, 2013 3:00 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS

Sample Information

Client Sample ID: TB_052113 **York Sample ID:** 13E0744-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Water	May 21, 2013 3:00 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
74-83-9	Bromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS

Sample Information

Client Sample ID: TB_052113 **York Sample ID:** 13E0744-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0744	170246501	Water	May 21, 2013 3:00 pm	05/22/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
75-09-2	Methylene chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/23/2013 16:30	05/24/2013 03:01	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*109 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*99.0 %*	*81.2-127*

Analytical Batch Summary

Batch ID: BE31060 **Preparation Method:** % Solids Prep **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
13E0744-01	MW-5 (0-2)	05/23/13
13E0744-02	MW-5 (6-8)	05/23/13
13E0744-03	LG-20 (0-2)	05/23/13
13E0744-04	LG-20 (22-24)	05/23/13
13E0744-05	LG-21 (0-2)	05/23/13
13E0744-06	LG-21 (20-22)	05/23/13
13E0744-07	MW-10 (1-3)	05/23/13
13E0744-08	MW-10 (32-34)	05/23/13
13E0744-09	LG-19 (0-2)	05/23/13
13E0744-10	LG-19 (26-28)	05/23/13
13E0744-11	DUP-1 (052113)	05/23/13

Batch ID: BE31070 **Preparation Method:** EPA 5035A **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13E0744-01	MW-5 (0-2)	05/23/13
13E0744-02	MW-5 (6-8)	05/23/13
13E0744-03	LG-20 (0-2)	05/23/13
13E0744-04	LG-20 (22-24)	05/23/13
13E0744-05	LG-21 (0-2)	05/23/13
13E0744-06	LG-21 (20-22)	05/23/13
13E0744-07	MW-10 (1-3)	05/23/13
13E0744-08	MW-10 (32-34)	05/23/13
13E0744-10	LG-19 (26-28)	05/23/13
13E0744-11	DUP-1 (052113)	05/23/13
BE31070-BLK1	Blank	05/23/13
BE31070-BS1	LCS	05/23/13
BE31070-BSD1	LCS Dup	05/23/13
BE31070-MS1	Matrix Spike	05/23/13

Batch ID: BE31101 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13E0744-12	TB_052113	05/23/13
BE31101-BLK1	Blank	05/23/13
BE31101-BS1	LCS	05/23/13
BE31101-BSD1	LCS Dup	05/23/13

Batch ID: BE31111 **Preparation Method:** EPA 3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0744-01	MW-5 (0-2)	05/23/13
13E0744-02	MW-5 (6-8)	05/23/13
13E0744-03	LG-20 (0-2)	05/23/13
13E0744-04	LG-20 (22-24)	05/23/13

13E0744-05	LG-21 (0-2)	05/23/13
13E0744-06	LG-21 (20-22)	05/23/13
13E0744-07	MW-10 (1-3)	05/23/13
13E0744-08	MW-10 (32-34)	05/23/13
13E0744-09	LG-19 (0-2)	05/23/13
13E0744-10	LG-19 (26-28)	05/23/13
13E0744-11	DUP-1 (052113)	05/23/13
BE31111-BLK1	Blank	05/23/13
BE31111-DUP1	Duplicate	05/23/13
BE31111-MS1	Matrix Spike	05/23/13
BE31111-SRM1	Reference	05/23/13

Batch ID: BE31116 **Preparation Method:** EPA 3550B **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
13E0744-01	MW-5 (0-2)	05/24/13
13E0744-03	LG-20 (0-2)	05/24/13
13E0744-05	LG-21 (0-2)	05/24/13
13E0744-07	MW-10 (1-3)	05/24/13
13E0744-09	LG-19 (0-2)	05/24/13
13E0744-11	DUP-1 (052113)	05/24/13
BE31116-BLK1	Blank	05/24/13
BE31116-BS1	LCS	05/24/13
BE31116-BS2	LCS	05/24/13
BE31116-BSD1	LCS Dup	05/24/13
BE31116-MS1	Matrix Spike	05/24/13

Batch ID: BE31117 **Preparation Method:** EPA 3550B **Prepared By:** CC

YORK Sample ID	Client Sample ID	Preparation Date
13E0744-01	MW-5 (0-2)	05/24/13
13E0744-02	MW-5 (6-8)	05/24/13
13E0744-03	LG-20 (0-2)	05/24/13
13E0744-04	LG-20 (22-24)	05/24/13
13E0744-05	LG-21 (0-2)	05/24/13
13E0744-06	LG-21 (20-22)	05/24/13
13E0744-07	MW-10 (1-3)	05/24/13
13E0744-08	MW-10 (32-34)	05/24/13
13E0744-09	LG-19 (0-2)	05/24/13
13E0744-10	LG-19 (26-28)	05/24/13
13E0744-11	DUP-1 (052113)	05/24/13
BE31117-BLK1	Blank	05/24/13
BE31117-BS1	LCS	05/24/13
BE31117-BSD1	LCS Dup	05/24/13

Batch ID: BE31118 **Preparation Method:** EPA 3550B **Prepared By:** CC

YORK Sample ID	Client Sample ID	Preparation Date
13E0744-02	MW-5 (6-8)	05/24/13
13E0744-04	LG-20 (22-24)	05/24/13
13E0744-06	LG-21 (20-22)	05/24/13

13E0744-08	MW-10 (32-34)	05/24/13
13E0744-10	LG-19 (26-28)	05/24/13
BE31118-BLK1	Blank	05/24/13
BE31118-BS1	LCS	05/24/13
BE31118-BSD1	LCS Dup	05/24/13
BE31118-MS1	Matrix Spike	05/24/13

Batch ID: BE31145 **Preparation Method:** EPA SW846-7471 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13E0744-01	MW-5 (0-2)	05/24/13
13E0744-02	MW-5 (6-8)	05/24/13
13E0744-03	LG-20 (0-2)	05/24/13
13E0744-04	LG-20 (22-24)	05/24/13
13E0744-05	LG-21 (0-2)	05/24/13
13E0744-06	LG-21 (20-22)	05/24/13
13E0744-07	MW-10 (1-3)	05/24/13
13E0744-08	MW-10 (32-34)	05/24/13
13E0744-09	LG-19 (0-2)	05/24/13
13E0744-10	LG-19 (26-28)	05/24/13
13E0744-11	DUP-1 (052113)	05/24/13
BE31145-BLK1	Blank	05/24/13
BE31145-BS1	LCS	05/24/13
BE31145-DUP2	Duplicate	05/24/13
BE31145-MS2	Matrix Spike	05/24/13

Batch ID: BE31233 **Preparation Method:** EPA 5035A **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13E0744-09	LG-19 (0-2)	05/28/13
BE31233-BLK1	Blank	05/28/13
BE31233-BS1	LCS	05/28/13
BE31233-BSD1	LCS Dup	05/28/13

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31070 - EPA 5035A											
Blank (BE31070-BLK1)											Prepared & Analyzed: 05/23/2013
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	"								
4-Chlorotoluene	ND	0.0050	"								
Acetone	0.0031	0.010	"								
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 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	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

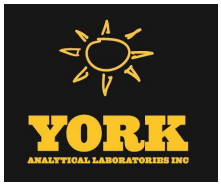
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31070 - EPA 5035A											
Blank (BE31070-BLK1)									Prepared & Analyzed: 05/23/2013		
o-Xylene	ND	0.0050	mg/kg wet								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Vinyl acetate	ND	0.0050	"								
Surrogate: 1,2-Dichloroethane-d4	*54.6*		*ug/L*	*50.0*		*109*	*73-130*				
Surrogate: p-Bromofluorobenzene	*54.2*		*"*	*50.0*		*108*	*72-127*				
Surrogate: Toluene-d8	*49.8*		*"*	*50.0*		*99.5*	*84-117*				
LCS (BE31070-BS1)									Prepared & Analyzed: 05/23/2013		
1,1,1,2-Tetrachloroethane	50		ug/L	50.0		99.6	72-132				
1,1,1-Trichloroethane	54		"	50.0		109	77-131				
1,1,2,2-Tetrachloroethane	51		"	50.0		103	68-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57		"	50.0		114	75-143				
1,1,2-Trichloroethane	50		"	50.0		99.1	72-128				
1,1-Dichloroethane	49		"	50.0		97.5	78-133				
1,1-Dichloroethylene	57		"	50.0		114	71-142				
1,1-Dichloropropylene	50		"	50.0		99.0	77-124				
1,2,3-Trichlorobenzene	57		"	50.0		114	65-134				
1,2,3-Trichloropropane	53		"	50.0		106	65-127				
1,2,4-Trichlorobenzene	57		"	50.0		114	59-133				
1,2,4-Trimethylbenzene	52		"	50.0		103	68-128				
1,2-Dibromo-3-chloropropane	50		"	50.0		101	58-145				
1,2-Dibromoethane	52		"	50.0		105	73-128				
1,2-Dichlorobenzene	50		"	50.0		99.7	69-126				
1,2-Dichloroethane	51		"	50.0		102	78-131				
1,2-Dichloropropane	51		"	50.0		101	72-129				
1,3,5-Trimethylbenzene	51		"	50.0		103	67-125				
1,3-Dichlorobenzene	51		"	50.0		102	67-125				
1,3-Dichloropropane	49		"	50.0		97.9	73-126				
1,4-Dichlorobenzene	51		"	50.0		102	67-127				
1,4-Dioxane	7.1		"	50.0		14.1	10-265				
2,2-Dichloropropane	55		"	50.0		110	68-133				
2-Butanone	46		"	50.0		92.2	49-138				
2-Chlorotoluene	51		"	50.0		101	61-121				
4-Chlorotoluene	51		"	50.0		103	65-126				
Acetone	41		"	50.0		82.2	21-131				
Benzene	54		"	50.0		108	81-125				
Bromobenzene	49		"	50.0		98.0	65-125				
Bromochloromethane	55		"	50.0		109	78-127				
Bromodichloromethane	54		"	50.0		107	73-131				
Bromoform	56		"	50.0		113	66-137				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31070 - EPA 5035A											
LCS (BE31070-BS1)								Prepared & Analyzed: 05/23/2013			
Bromomethane	49		ug/L	50.0		97.9	55-144				
Carbon tetrachloride	55		"	50.0		109	74-137				
Chlorobenzene	50		"	50.0		99.2	75-127				
Chloroethane	55		"	50.0		109	65-138				
Chloroform	53		"	50.0		106	82-128				
Chloromethane	49		"	50.0		98.5	51-138				
cis-1,2-Dichloroethylene	54		"	50.0		108	77-130				
cis-1,3-Dichloropropylene	55		"	50.0		110	68-123				
Dibromochloromethane	54		"	50.0		109	73-136				
Dibromomethane	52		"	50.0		104	75-131				
Dichlorodifluoromethane	38		"	50.0		76.7	10-183				
Ethyl Benzene	53		"	50.0		106	75-130				
Hexachlorobutadiene	48		"	50.0		95.9	59-130				
Isopropylbenzene	52		"	50.0		104	68-135				
Methyl tert-butyl ether (MTBE)	56		"	50.0		112	76-136				
Methylene chloride	56		"	50.0		113	55-143				
Naphthalene	60		"	50.0		121	65-140				
n-Butylbenzene	54		"	50.0		108	63-123				
n-Propylbenzene	53		"	50.0		107	65-127				
o-Xylene	50		"	50.0		99.2	71-123				
p- & m- Xylenes	110		"	100		108	72-127				
p-Isopropyltoluene	53		"	50.0		105	69-128				
sec-Butylbenzene	53		"	50.0		106	69-125				
Styrene	51		"	50.0		102	74-127				
tert-Butylbenzene	52		"	50.0		104	59-164				
Tetrachloroethylene	49		"	50.0		97.1	65-151				
Toluene	51		"	50.0		102	72-127				
trans-1,2-Dichloroethylene	56		"	50.0		112	73-137				
trans-1,3-Dichloropropylene	52		"	50.0		104	67-131				
Trichloroethylene	50		"	50.0		100	73-129				
Trichlorofluoromethane	54		"	50.0		108	69-136				
Vinyl Chloride	48		"	50.0		97.0	58-132				
Vinyl acetate	45		"	50.0		89.6	10-84	High Bias			
Surrogate: 1,2-Dichloroethane-d4	*51.5*		*"*	*50.0*		*103*	*73-130*				
Surrogate: p-Bromofluorobenzene	*50.3*		*"*	*50.0*		*101*	*72-127*				
Surrogate: Toluene-d8	*49.2*		*"*	*50.0*		*98.4*	*84-117*				



Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31070 - EPA 5035A											
LCS Dup (BE31070-BSD1)								Prepared & Analyzed: 05/23/2013			
1,1,1,2-Tetrachloroethane	49		ug/L	50.0		97.8	72-132		1.88	30	
1,1,1-Trichloroethane	52		"	50.0		104	77-131		4.61	30	
1,1,2,2-Tetrachloroethane	50		"	50.0		99.3	68-129		3.19	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		107	75-143		5.88	30	
1,1,2-Trichloroethane	48		"	50.0		95.4	72-128		3.84	30	
1,1-Dichloroethane	56		"	50.0		112	78-133		13.5	30	
1,1-Dichloroethylene	54		"	50.0		109	71-142		5.00	30	
1,1-Dichloropropylene	48		"	50.0		96.6	77-124		2.47	30	
1,2,3-Trichlorobenzene	54		"	50.0		109	65-134		4.58	30	
1,2,3-Trichloropropane	52		"	50.0		105	65-127		0.892	30	
1,2,4-Trichlorobenzene	55		"	50.0		110	59-133		3.18	30	
1,2,4-Trimethylbenzene	50		"	50.0		100	68-128		2.97	30	
1,2-Dibromo-3-chloropropane	51		"	50.0		103	58-145		2.12	30	
1,2-Dibromoethane	50		"	50.0		101	73-128		3.52	30	
1,2-Dichlorobenzene	49		"	50.0		97.0	69-126		2.70	30	
1,2-Dichloroethane	49		"	50.0		98.2	78-131		3.76	30	
1,2-Dichloropropane	50		"	50.0		99.1	72-129		1.92	30	
1,3,5-Trimethylbenzene	50		"	50.0		101	67-125		1.75	30	
1,3-Dichlorobenzene	50		"	50.0		99.8	67-125		2.24	30	
1,3-Dichloropropane	48		"	50.0		95.3	73-126		2.69	30	
1,4-Dichlorobenzene	50		"	50.0		99.1	67-127		3.41	30	
1,4-Dioxane	1.6		"	50.0		3.12	10-265	Low Bias	128	30	Non-dir.
2,2-Dichloropropane	52		"	50.0		104	68-133		5.68	30	
2-Butanone	45		"	50.0		90.3	49-138		1.99	30	
2-Chlorotoluene	49		"	50.0		98.3	61-121		3.03	30	
4-Chlorotoluene	50		"	50.0		100	65-126		2.42	30	
Acetone	36		"	50.0		71.7	21-131		13.7	30	
Benzene	51		"	50.0		103	81-125		5.11	30	
Bromobenzene	47		"	50.0		94.2	65-125		3.91	30	
Bromochloromethane	53		"	50.0		106	78-127		2.86	30	
Bromodichloromethane	52		"	50.0		103	73-131		3.86	30	
Bromoform	54		"	50.0		107	66-137		5.03	30	
Bromomethane	47		"	50.0		93.1	55-144		4.96	30	
Carbon tetrachloride	52		"	50.0		103	74-137		5.59	30	
Chlorobenzene	48		"	50.0		96.0	75-127		3.34	30	
Chloroethane	51		"	50.0		103	65-138		5.81	30	
Chloroform	51		"	50.0		103	82-128		3.37	30	
Chloromethane	47		"	50.0		93.7	51-138		4.95	30	
cis-1,2-Dichloroethylene	50		"	50.0		101	77-130		7.08	30	
cis-1,3-Dichloropropylene	52		"	50.0		104	68-123		4.77	30	
Dibromochloromethane	53		"	50.0		106	73-136		2.59	30	
Dibromomethane	52		"	50.0		103	75-131		0.848	30	
Dichlorodifluoromethane	36		"	50.0		71.7	10-183		6.74	30	
Ethyl Benzene	52		"	50.0		103	75-130		2.58	30	
Hexachlorobutadiene	47		"	50.0		94.9	59-130		1.07	30	
Isopropylbenzene	50		"	50.0		101	68-135		3.19	30	
Methyl tert-butyl ether (MTBE)	52		"	50.0		104	76-136		7.35	30	
Methylene chloride	54		"	50.0		108	55-143		4.77	30	
Naphthalene	59		"	50.0		118	65-140		2.56	30	
n-Butylbenzene	52		"	50.0		105	63-123		2.41	30	
n-Propylbenzene	52		"	50.0		104	65-127		2.31	30	

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31070 - EPA 5035A											
LCS Dup (BE31070-BSD1)								Prepared & Analyzed: 05/23/2013			
o-Xylene	48		ug/L	50.0		96.3	71-123		2.97	30	
p- & m- Xylenes	110		"	100		105	72-127		2.22	30	
p-Isopropyltoluene	51		"	50.0		103	69-128		2.60	30	
sec-Butylbenzene	52		"	50.0		105	69-125		1.73	30	
Styrene	50		"	50.0		100	74-127		2.17	30	
tert-Butylbenzene	50		"	50.0		100	59-164		3.29	30	
Tetrachloroethylene	49		"	50.0		97.6	65-151		0.493	30	
Toluene	50		"	50.0		99.7	72-127		2.26	30	
trans-1,2-Dichloroethylene	53		"	50.0		107	73-137		4.85	30	
trans-1,3-Dichloropropylene	50		"	50.0		100	67-131		3.91	30	
Trichloroethylene	49		"	50.0		97.8	73-129		2.68	30	
Trichlorofluoromethane	51		"	50.0		103	69-136		4.85	30	
Vinyl Chloride	46		"	50.0		91.4	58-132		5.86	30	
Vinyl acetate	44		"	50.0		87.9	10-84	High Bias	1.94	30	
Surrogate: 1,2-Dichloroethane-d4	*49.2*		*"*	*50.0*		*98.4*	*73-130*				
Surrogate: p-Bromofluorobenzene	*51.1*		*"*	*50.0*		*102*	*72-127*				
Surrogate: Toluene-d8	*49.5*		*"*	*50.0*		*98.9*	*84-117*				
Matrix Spike (BE31070-MS1)	*Source sample: 13E0744-01 (MW-5 (0-2))							Prepared & Analyzed: 05/23/2013			
1,1,1,2-Tetrachloroethane	44		ug/L	50.0	ND	88.3	48-129				
1,1,1-Trichloroethane	47		"	50.0	ND	94.1	60-128				
1,1,2,2-Tetrachloroethane	47		"	50.0	ND	94.2	20-143				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47		"	50.0	ND	93.4	52-129				
1,1,2-Trichloroethane	46		"	50.0	ND	92.6	53-126				
1,1-Dichloroethane	44		"	50.0	ND	87.4	62-129				
1,1-Dichloroethylene	52		"	50.0	ND	103	50-138				
1,1-Dichloropropylene	43		"	50.0	ND	85.1	49-120				
1,2,3-Trichlorobenzene	39		"	50.0	ND	77.3	10-120				
1,2,3-Trichloropropane	53		"	50.0	ND	105	42-132				
1,2,4-Trichlorobenzene	36		"	50.0	ND	71.8	10-113				
1,2,4-Trimethylbenzene	43		"	50.0	ND	85.6	10-173				
1,2-Dibromo-3-chloropropane	48		"	50.0	ND	95.9	16-151				
1,2-Dibromoethane	47		"	50.0	ND	93.7	37-134				
1,2-Dichlorobenzene	41		"	50.0	ND	83.0	12-121				
1,2-Dichloroethane	47		"	50.0	ND	93.2	53-133				
1,2-Dichloropropane	46		"	50.0	ND	92.3	58-126				
1,3,5-Trimethylbenzene	44		"	50.0	ND	87.1	10-155				
1,3-Dichlorobenzene	41		"	50.0	ND	81.2	12-116				
1,3-Dichloropropane	45		"	50.0	ND	90.6	50-127				
1,4-Dichlorobenzene	40		"	50.0	ND	79.8	9-118				
1,4-Dioxane	1.6		"	50.0	ND	3.14	10-249	Low Bias			
2,2-Dichloropropane	44		"	50.0	ND	88.7	47-119				
2-Butanone	47		"	50.0	ND	94.0	13-140				
2-Chlorotoluene	43		"	50.0	ND	85.2	24-115				
4-Chlorotoluene	42		"	50.0	ND	84.0	22-115				
Acetone	43		"	50.0	1.2	83.1	10-130				
Benzene	49		"	50.0	ND	98.6	52-127				
Bromobenzene	43		"	50.0	ND	85.2	27-119				
Bromochloromethane	50		"	50.0	ND	99.7	52-129				
Bromodichloromethane	47		"	50.0	ND	94.5	50-132				
Bromoform	49		"	50.0	ND	97.4	31-138				
Bromomethane	41		"	50.0	ND	81.1	20-141				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31070 - EPA 5035A											
Matrix Spike (BE31070-MS1)	*Source sample: 13E0744-01 (MW-5 (0-2))							Prepared & Analyzed: 05/23/2013			
Carbon tetrachloride	46		ug/L	50.0	ND	91.1	52-131				
Chlorobenzene	43		"	50.0	ND	85.3	36-125				
Chloroethane	51		"	50.0	ND	102	35-143				
Chloroform	48		"	50.0	ND	95.5	62-127				
Chloromethane	41		"	50.0	ND	83.0	36-128				
cis-1,2-Dichloroethylene	48		"	50.0	ND	96.3	51-128				
cis-1,3-Dichloropropylene	47		"	50.0	ND	93.8	27-126				
Dibromochloromethane	48		"	50.0	ND	96.5	42-137				
Dibromomethane	50		"	50.0	ND	99.4	47-136				
Dichlorodifluoromethane	28		"	50.0	ND	56.0	10-143				
Ethyl Benzene	45		"	50.0	ND	90.8	32-131				
Hexachlorobutadiene	31		"	50.0	ND	62.6	10-109				
Isopropylbenzene	45		"	50.0	ND	90.5	21-143				
Methyl tert-butyl ether (MTBE)	52		"	50.0	ND	104	55-144				
Methylene chloride	54		"	50.0	2.7	102	17-147				
Naphthalene	47		"	50.0	ND	94.0	10-142				
n-Butylbenzene	39		"	50.0	ND	78.3	10-116				
n-Propylbenzene	45		"	50.0	ND	89.4	70-130				
o-Xylene	43		"	50.0	ND	85.5	70-130				
p- & m- Xylenes	91		"	100	ND	91.5	70-130				
p-Isopropyltoluene	42		"	50.0	ND	84.3	70-130				
sec-Butylbenzene	45		"	50.0	ND	89.2	12-129				
Styrene	43		"	50.0	ND	85.2	13-130				
tert-Butylbenzene	42		"	50.0	ND	83.6	20-149				
Tetrachloroethylene	57		"	50.0	ND	115	26-179				
Toluene	46		"	50.0	ND	91.2	30-138				
trans-1,2-Dichloroethylene	50		"	50.0	ND	101	46-132				
trans-1,3-Dichloropropylene	44		"	50.0	ND	88.2	20-132				
Trichloroethylene	45		"	50.0	ND	90.6	31-152				
Trichlorofluoromethane	46		"	50.0	ND	92.3	50-129				
Vinyl Chloride	42		"	50.0	ND	83.9	41-124				
Vinyl acetate	22		"	50.0	ND	44.0	10-62				
Surrogate: 1,2-Dichloroethane-d4	*52.0*		*"*	*50.0*		*104*	*73-130*				
Surrogate: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*72-127*				
Surrogate: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*84-117*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31101 - EPA 5030B											
Blank (BE31101-BLK1)											
Prepared: 05/23/2013 Analyzed: 05/24/2013											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	5.0	"								
Naphthalene	ND	5.0	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

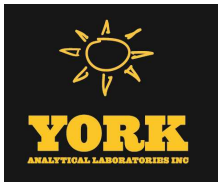
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31101 - EPA 5030B											
Blank (BE31101-BLK1)											Prepared: 05/23/2013 Analyzed: 05/24/2013
p- & m- Xylenes	ND	10	ug/L								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*9.81*		*"*	*10.0*		*98.1*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*11.2*		*"*	*10.0*		*112*	*63.5-145*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81.2-127*				
LCS (BE31101-BS1)											Prepared: 05/23/2013 Analyzed: 05/24/2013
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82.3-130				
1,1,1-Trichloroethane	10		"	10.0		99.8	75.6-137				
1,1,2,2-Tetrachloroethane	11		"	10.0		106	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		118	71.1-129				
1,1,2-Trichloroethane	10		"	10.0		101	74.5-129				
1,1-Dichloroethane	9.7		"	10.0		97.0	79.6-132				
1,1-Dichloroethylene	12		"	10.0		115	80.2-146				
1,1-Dichloropropylene	9.6		"	10.0		95.9	75-136				
1,2,3-Trichlorobenzene	11		"	10.0		115	66.1-136				
1,2,3-Trichloropropane	10		"	10.0		103	63-131				
1,2,4-Trichlorobenzene	11		"	10.0		114	70.6-136				
1,2,4-Trimethylbenzene	9.9		"	10.0		99.0	75.3-135				
1,2-Dibromo-3-chloropropane	9.8		"	10.0		97.5	58.9-140				
1,2-Dibromoethane	10		"	10.0		103	79-130				
1,2-Dichlorobenzene	9.9		"	10.0		99.0	76.1-122				
1,2-Dichloroethane	9.7		"	10.0		96.8	74.6-132				
1,2-Dichloropropane	9.8		"	10.0		97.5	76.9-129				
1,3,5-Trimethylbenzene	9.7		"	10.0		96.9	70.6-127				
1,3-Dichlorobenzene	9.8		"	10.0		98.1	77-124				
1,3-Dichloropropane	9.7		"	10.0		97.2	75.8-126				
1,4-Dichlorobenzene	9.8		"	10.0		97.5	76.6-125				
2,2-Dichloropropane	8.0		"	10.0		79.7	69-133				
2-Butanone	11		"	10.0		110	70-130				
2-Chlorotoluene	9.3		"	10.0		92.7	66.3-119				
4-Chlorotoluene	9.6		"	10.0		95.9	69.2-127				
Acetone	12		"	10.0		120	70-130				
Benzene	10		"	10.0		104	76.2-129				
Bromobenzene	9.6		"	10.0		95.9	71.3-123				
Bromochloromethane	10		"	10.0		99.8	70.8-137				
Bromodichloromethane	10		"	10.0		101	79.7-134				
Bromoform	11		"	10.0		105	70.5-141				
Bromomethane	9.9		"	10.0		99.0	43.9-147				
Carbon tetrachloride	10		"	10.0		101	78.1-138				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31101 - EPA 5030B											
LCS (BE31101-BS1)								Prepared: 05/23/2013 Analyzed: 05/24/2013			
Chlorobenzene	9.6		ug/L	10.0		96.5	80.4-125				
Chloroethane	11		"	10.0		111	55.8-140				
Chloroform	9.7		"	10.0		97.3	76.6-133				
Chloromethane	9.0		"	10.0		89.7	48.8-115				
cis-1,2-Dichloroethylene	10		"	10.0		103	75.1-128				
cis-1,3-Dichloropropylene	9.9		"	10.0		99.4	74.5-128				
Dibromochloromethane	10		"	10.0		104	79.8-134				
Dibromomethane	9.7		"	10.0		97.1	79-130				
Dichlorodifluoromethane	6.8		"	10.0		67.7	47.1-101				
Ethyl Benzene	9.9		"	10.0		99.2	80.8-128				
Hexachlorobutadiene	8.4		"	10.0		83.7	64.8-128				
Isopropylbenzene	9.9		"	10.0		99.1	75.5-135				
Methyl tert-butyl ether (MTBE)	11		"	10.0		109	65.1-140				
Methylene chloride	11		"	10.0		109	61.3-120				
Naphthalene	13		"	10.0		130	62.3-148				
n-Butylbenzene	10		"	10.0		102	67.2-123				
n-Propylbenzene	10		"	10.0		99.6	70.5-127				
o-Xylene	9.5		"	10.0		95.0	75.9-122				
p- & m- Xylenes	20		"	20.0		102	77.7-127				
p-Isopropyltoluene	10		"	10.0		100	75.6-129				
sec-Butylbenzene	10		"	10.0		102	71.5-125				
Styrene	11		"	10.0		108	77.8-123				
tert-Butylbenzene	9.7		"	10.0		97.3	75.9-151				
Tetrachloroethylene	9.3		"	10.0		92.6	63.6-167				
Toluene	9.8		"	10.0		98.1	77-123				
trans-1,2-Dichloroethylene	11		"	10.0		108	76.3-139				
trans-1,3-Dichloropropylene	9.6		"	10.0		95.9	72.5-137				
Trichloroethylene	10		"	10.0		101	77.9-130				
Trichlorofluoromethane	11		"	10.0		112	57.4-133				
Vinyl Chloride	9.8		"	10.0		98.1	54.9-124				
Vinyl acetate	6.3		"	10.0		63.1	70-130	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	*9.80*		*"*	*10.0*		*98.0*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.89*		*"*	*10.0*		*98.9*	*63.5-145*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81.2-127*				



Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31101 - EPA 5030B											
LCS Dup (BE31101-BSD1)								Prepared: 05/23/2013 Analyzed: 05/24/2013			
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		96.6	82.3-130		5.34	21.1	
1,1,1-Trichloroethane	9.6		"	10.0		96.2	75.6-137		3.67	19.7	
1,1,2,2-Tetrachloroethane	10		"	10.0		99.9	71.3-131		5.83	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		113	71.1-129		4.23	21.7	
1,1,2-Trichloroethane	9.6		"	10.0		96.5	74.5-129		4.95	20.3	
1,1-Dichloroethane	9.3		"	10.0		92.6	79.6-132		4.64	20.6	
1,1-Dichloroethylene	11		"	10.0		108	80.2-146		6.65	20	
1,1-Dichloropropylene	9.0		"	10.0		89.9	75-136		6.46	19.3	
1,2,3-Trichlorobenzene	11		"	10.0		113	66.1-136		1.32	21.6	
1,2,3-Trichloropropane	9.7		"	10.0		96.6	63-131		6.02	23.9	
1,2,4-Trichlorobenzene	10		"	10.0		105	70.6-136		8.49	21.7	
1,2,4-Trimethylbenzene	8.8		"	10.0		88.5	75.3-135		11.2	18.8	
1,2-Dibromo-3-chloropropane	9.1		"	10.0		90.7	58.9-140		7.23	27.7	
1,2-Dibromoethane	9.9		"	10.0		99.2	79-130		4.05	23	
1,2-Dichlorobenzene	9.0		"	10.0		90.1	76.1-122		9.41	19.8	
1,2-Dichloroethane	9.2		"	10.0		91.6	74.6-132		5.52	20.2	
1,2-Dichloropropane	9.2		"	10.0		91.9	76.9-129		5.91	20.7	
1,3,5-Trimethylbenzene	8.9		"	10.0		88.7	70.6-127		8.84	18.9	
1,3-Dichlorobenzene	9.2		"	10.0		91.8	77-124		6.64	19.2	
1,3-Dichloropropane	9.0		"	10.0		90.4	75.8-126		7.25	22.1	
1,4-Dichlorobenzene	9.1		"	10.0		91.4	76.6-125		6.46	18.6	
2,2-Dichloropropane	7.4		"	10.0		74.4	69-133		6.88	19.8	
2-Butanone	10		"	10.0		104	70-130		4.86	30	
2-Chlorotoluene	8.6		"	10.0		86.2	66.3-119		7.27	21.6	
4-Chlorotoluene	9.0		"	10.0		90.3	69.2-127		6.02	19	
Acetone	10		"	10.0		102	70-130		16.1	30	
Benzene	9.8		"	10.0		98.5	76.2-129		5.62	19	
Bromobenzene	8.9		"	10.0		88.6	71.3-123		7.91	20.3	
Bromochloromethane	9.3		"	10.0		93.4	70.8-137		6.63	23.9	
Bromodichloromethane	9.7		"	10.0		97.1	79.7-134		4.23	21	
Bromoform	9.8		"	10.0		97.9	70.5-141		7.38	21.8	
Bromomethane	9.7		"	10.0		96.9	43.9-147		2.14	28.4	
Carbon tetrachloride	9.5		"	10.0		95.1	78.1-138		5.82	20.1	
Chlorobenzene	9.2		"	10.0		91.6	80.4-125		5.21	19.9	
Chloroethane	10		"	10.0		104	55.8-140		6.32	23.3	
Chloroform	9.3		"	10.0		93.2	76.6-133		4.30	20.3	
Chloromethane	8.9		"	10.0		88.9	48.8-115		0.896	24.5	
cis-1,2-Dichloroethylene	9.8		"	10.0		97.9	75.1-128		4.69	20.5	
cis-1,3-Dichloropropylene	9.6		"	10.0		96.2	74.5-128		3.27	19.9	
Dibromochloromethane	9.9		"	10.0		98.9	79.8-134		5.12	21.3	
Dibromomethane	9.2		"	10.0		91.6	79-130		5.83	22.4	
Dichlorodifluoromethane	6.4		"	10.0		63.5	47.1-101		6.40	23.9	
Ethyl Benzene	9.4		"	10.0		94.4	80.8-128		4.96	19.2	
Hexachlorobutadiene	8.4		"	10.0		83.9	64.8-128		0.239	20.6	
Isopropylbenzene	9.1		"	10.0		91.1	75.5-135		8.41	20	
Methyl tert-butyl ether (MTBE)	8.3		"	10.0		83.4	65.1-140		26.2	23.6	Non-dir.
Methylene chloride	11		"	10.0		105	61.3-120		3.92	20.4	
Naphthalene	12		"	10.0		125	62.3-148		4.00	27.1	
n-Butylbenzene	9.3		"	10.0		93.3	67.2-123		8.71	19.1	
n-Propylbenzene	9.2		"	10.0		91.9	70.5-127		8.04	23.4	
o-Xylene	8.9		"	10.0		88.7	75.9-122		6.86	19.3	

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31101 - EPA 5030B											
LCS Dup (BE31101-BSD1)									Prepared: 05/23/2013 Analyzed: 05/24/2013		
p- & m- Xylenes	19		ug/L	20.0		95.8	77.7-127		6.76	18.6	
p-Isopropyltoluene	9.2		"	10.0		92.0	75.6-129		8.53	19.1	
sec-Butylbenzene	9.4		"	10.0		94.2	71.5-125		7.95	18.9	
Styrene	9.6		"	10.0		95.8	77.8-123		11.8	20.9	
tert-Butylbenzene	9.2		"	10.0		92.1	75.9-151		5.49	20.9	
Tetrachloroethylene	8.8		"	10.0		87.6	63.6-167		5.55	27.7	
Toluene	9.2		"	10.0		91.8	77-123		6.64	18.7	
trans-1,2-Dichloroethylene	8.2		"	10.0		81.5	76.3-139		27.8	19.5	Non-dir.
trans-1,3-Dichloropropylene	9.2		"	10.0		92.2	72.5-137		3.93	19.3	
Trichloroethylene	9.5		"	10.0		94.8	77.9-130		6.43	20.5	
Trichlorofluoromethane	10		"	10.0		103	57.4-133		8.01	21.4	
Vinyl Chloride	9.2		"	10.0		91.5	54.9-124		6.96	22.3	
Vinyl acetate	6.3		"	10.0		62.9	70-130	Low Bias	0.317	30	
Surrogate: 1,2-Dichloroethane-d4	*9.78*		*"*	*10.0*		*97.8*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.93*		*"*	*10.0*		*99.3*	*63.5-145*				
Surrogate: Toluene-d8	*9.92*		*"*	*10.0*		*99.2*	*81.2-127*				
Batch BE31233 - EPA 5035A											
Blank (BE31233-BLK1)									Prepared: 05/28/2013 Analyzed: 05/29/2013		
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	"								
4-Chlorotoluene	ND	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31233 - EPA 5035A											
Blank (BE31233-BLK1)											
Prepared: 05/28/2013 Analyzed: 05/29/2013											
Bromomethane	ND	0.0050	mg/kg wet								
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	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	0.0031	0.010	"								
Naphthalene	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-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Vinyl acetate	ND	0.0050	"								
Surrogate: 1,2-Dichloroethane-d4	*50.6*		*ug/L*	*50.0*		*101*	*73-130*				
Surrogate: p-Bromofluorobenzene	*56.4*		*"*	*50.0*		*113*	*72-127*				
Surrogate: Toluene-d8	*51.0*		*"*	*50.0*		*102*	*84-117*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31233 - EPA 5035A											
LCS (BE31233-BS1)								Prepared & Analyzed: 05/28/2013			
1,1,1,2-Tetrachloroethane	50		ug/L	50.0		99.6	72-132				
1,1,1-Trichloroethane	50		"	50.0		99.1	77-131				
1,1,2,2-Tetrachloroethane	54		"	50.0		107	68-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		108	75-143				
1,1,2-Trichloroethane	51		"	50.0		103	72-128				
1,1-Dichloroethane	45		"	50.0		90.9	78-133				
1,1-Dichloroethylene	55		"	50.0		109	71-142				
1,1-Dichloropropylene	46		"	50.0		91.7	77-124				
1,2,3-Trichlorobenzene	55		"	50.0		110	65-134				
1,2,3-Trichloropropane	58		"	50.0		115	65-127				
1,2,4-Trichlorobenzene	53		"	50.0		107	59-133				
1,2,4-Trimethylbenzene	51		"	50.0		102	68-128				
1,2-Dibromo-3-chloropropane	53		"	50.0		106	58-145				
1,2-Dibromoethane	53		"	50.0		105	73-128				
1,2-Dichlorobenzene	50		"	50.0		99.4	69-126				
1,2-Dichloroethane	47		"	50.0		94.9	78-131				
1,2-Dichloropropane	51		"	50.0		101	72-129				
1,3,5-Trimethylbenzene	51		"	50.0		102	67-125				
1,3-Dichlorobenzene	51		"	50.0		101	67-125				
1,3-Dichloropropane	50		"	50.0		100	73-126				
1,4-Dichlorobenzene	50		"	50.0		99.6	67-127				
1,4-Dioxane	4.9		"	50.0		9.78	10-265	Low Bias			
2,2-Dichloropropane	47		"	50.0		93.9	68-133				
2-Butanone	49		"	50.0		97.8	49-138				
2-Chlorotoluene	50		"	50.0		101	61-121				
4-Chlorotoluene	51		"	50.0		101	65-126				
Acetone	40		"	50.0		80.8	21-131				
Benzene	51		"	50.0		102	81-125				
Bromobenzene	50		"	50.0		99.1	65-125				
Bromochloromethane	51		"	50.0		102	78-127				
Bromodichloromethane	53		"	50.0		107	73-131				
Bromoform	57		"	50.0		113	66-137				
Bromomethane	38		"	50.0		76.2	55-144				
Carbon tetrachloride	49		"	50.0		98.2	74-137				
Chlorobenzene	49		"	50.0		98.3	75-127				
Chloroethane	49		"	50.0		98.2	65-138				
Chloroform	50		"	50.0		99.0	82-128				
Chloromethane	42		"	50.0		84.0	51-138				
cis-1,2-Dichloroethylene	50		"	50.0		100	77-130				
cis-1,3-Dichloropropylene	53		"	50.0		106	68-123				
Dibromochloromethane	54		"	50.0		109	73-136				
Dibromomethane	54		"	50.0		108	75-131				
Dichlorodifluoromethane	28		"	50.0		55.1	10-183				
Ethyl Benzene	52		"	50.0		104	75-130				
Hexachlorobutadiene	46		"	50.0		92.0	59-130				
Isopropylbenzene	52		"	50.0		105	68-135				
Methyl tert-butyl ether (MTBE)	45		"	50.0		89.9	76-136				
Methylene chloride	56		"	50.0		112	55-143				
Naphthalene	65		"	50.0		130	65-140				
n-Butylbenzene	52		"	50.0		104	63-123				
n-Propylbenzene	53		"	50.0		106	65-127				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

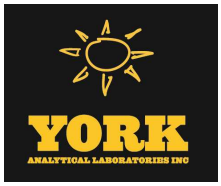
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31233 - EPA 5035A											
LCS (BE31233-BS1)								Prepared & Analyzed: 05/28/2013			
o-Xylene	49		ug/L	50.0		98.0	71-123				
p- & m- Xylenes	110		"	100		105	72-127				
p-Isopropyltoluene	51		"	50.0		103	69-128				
sec-Butylbenzene	54		"	50.0		108	69-125				
Styrene	51		"	50.0		102	74-127				
tert-Butylbenzene	52		"	50.0		103	59-164				
Tetrachloroethylene	49		"	50.0		98.8	65-151				
Toluene	51		"	50.0		103	72-127				
trans-1,2-Dichloroethylene	41		"	50.0		82.7	73-137				
trans-1,3-Dichloropropylene	51		"	50.0		102	67-131				
Trichloroethylene	51		"	50.0		101	73-129				
Trichlorofluoromethane	50		"	50.0		100	69-136				
Vinyl Chloride	44		"	50.0		87.3	58-132				
Vinyl acetate	44		"	50.0		87.5	10-84	High Bias			
Surrogate: 1,2-Dichloroethane-d4	*49.5*		*"*	*50.0*		*99.0*	*73-130*				
Surrogate: p-Bromofluorobenzene	*49.7*		*"*	*50.0*		*99.4*	*72-127*				
Surrogate: Toluene-d8	*51.1*		*"*	*50.0*		*102*	*84-117*				
LCS Dup (BE31233-BSD1)								Prepared: 05/28/2013 Analyzed: 05/29/2013			
1,1,1,2-Tetrachloroethane	51		ug/L	50.0		102	72-132		2.24	30	
1,1,1-Trichloroethane	51		"	50.0		103	77-131		3.53	30	
1,1,2,2-Tetrachloroethane	53		"	50.0		107	68-129		0.486	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		108	75-143		0.148	30	
1,1,2-Trichloroethane	51		"	50.0		102	72-128		1.09	30	
1,1-Dichloroethane	47		"	50.0		93.0	78-133		2.37	30	
1,1-Dichloroethylene	56		"	50.0		112	71-142		2.78	30	
1,1-Dichloropropylene	48		"	50.0		95.3	77-124		3.85	30	
1,2,3-Trichlorobenzene	56		"	50.0		113	65-134		2.67	30	
1,2,3-Trichloropropane	56		"	50.0		112	65-127		2.64	30	
1,2,4-Trichlorobenzene	55		"	50.0		109	59-133		2.46	30	
1,2,4-Trimethylbenzene	51		"	50.0		103	68-128		0.723	30	
1,2-Dibromo-3-chloropropane	53		"	50.0		107	58-145		0.563	30	
1,2-Dibromoethane	54		"	50.0		108	73-128		2.51	30	
1,2-Dichlorobenzene	50		"	50.0		101	69-126		1.48	30	
1,2-Dichloroethane	49		"	50.0		97.4	78-131		2.60	30	
1,2-Dichloropropane	52		"	50.0		104	72-129		2.69	30	
1,3,5-Trimethylbenzene	51		"	50.0		103	67-125		0.624	30	
1,3-Dichlorobenzene	51		"	50.0		102	67-125		0.473	30	
1,3-Dichloropropane	51		"	50.0		102	73-126		1.72	30	
1,4-Dichlorobenzene	51		"	50.0		101	67-127		1.75	30	
1,4-Dioxane	8.3		"	50.0		16.6	10-265		51.5	30	Non-dir.
2,2-Dichloropropane	49		"	50.0		97.6	68-133		3.84	30	
2-Butanone	49		"	50.0		98.3	49-138		0.510	30	
2-Chlorotoluene	50		"	50.0		100	61-121		0.318	30	
4-Chlorotoluene	51		"	50.0		102	65-126		0.374	30	
Acetone	41		"	50.0		81.3	21-131		0.666	30	
Benzene	52		"	50.0		104	81-125		2.70	30	
Bromobenzene	50		"	50.0		99.4	65-125		0.363	30	
Bromochloromethane	53		"	50.0		106	78-127		2.96	30	
Bromodichloromethane	54		"	50.0		109	73-131		1.85	30	
Bromoform	55		"	50.0		111	66-137		2.16	30	
Bromomethane	38		"	50.0		76.4	55-144		0.262	30	

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31233 - EPA 5035A											
LCS Dup (BE31233-BSD1)									Prepared: 05/28/2013 Analyzed: 05/29/2013		
Carbon tetrachloride	51		ug/L	50.0		103	74-137		4.36	30	
Chlorobenzene	51		"	50.0		102	75-127		3.85	30	
Chloroethane	51		"	50.0		102	65-138		3.42	30	
Chloroform	51		"	50.0		102	82-128		2.79	30	
Chloromethane	43		"	50.0		85.9	51-138		2.14	30	
cis-1,2-Dichloroethylene	52		"	50.0		105	77-130		4.04	30	
cis-1,3-Dichloropropylene	54		"	50.0		109	68-123		2.14	30	
Dibromochloromethane	55		"	50.0		109	73-136		0.441	30	
Dibromomethane	54		"	50.0		109	75-131		0.755	30	
Dichlorodifluoromethane	29		"	50.0		57.1	10-183		3.53	30	
Ethyl Benzene	54		"	50.0		108	75-130		3.30	30	
Hexachlorobutadiene	46		"	50.0		92.7	59-130		0.736	30	
Isopropylbenzene	52		"	50.0		104	68-135		0.287	30	
Methyl tert-butyl ether (MTBE)	58		"	50.0		116	76-136		25.6	30	
Methylene chloride	56		"	50.0		111	55-143		0.448	30	
Naphthalene	66		"	50.0		132	65-140		1.10	30	
n-Butylbenzene	53		"	50.0		106	63-123		1.56	30	
n-Propylbenzene	54		"	50.0		107	65-127		1.14	30	
o-Xylene	50		"	50.0		101	71-123		2.80	30	
p- & m- Xylenes	110		"	100		109	72-127		3.42	30	
p-Isopropyltoluene	52		"	50.0		105	69-128		1.81	30	
sec-Butylbenzene	54		"	50.0		108	69-125		0.00	30	
Styrene	52		"	50.0		104	74-127		2.57	30	
tert-Butylbenzene	51		"	50.0		103	59-164		0.407	30	
Tetrachloroethylene	53		"	50.0		105	65-151		6.46	30	
Toluene	53		"	50.0		106	72-127		2.66	30	
trans-1,2-Dichloroethylene	54		"	50.0		107	73-137		25.8	30	
trans-1,3-Dichloropropylene	52		"	50.0		103	67-131		1.30	30	
Trichloroethylene	52		"	50.0		103	73-129		1.99	30	
Trichlorofluoromethane	50		"	50.0		101	69-136		0.199	30	
Vinyl Chloride	43		"	50.0		86.8	58-132		0.643	30	
Vinyl acetate	46		"	50.0		91.2	10-84	High Bias	4.16	30	
Surrogate: 1,2-Dichloroethane-d4	*49.9*		*"*	*50.0*		*99.8*	*73-130*				
Surrogate: p-Bromofluorobenzene	*49.8*		*"*	*50.0*		*99.7*	*72-127*				
Surrogate: Toluene-d8	*51.4*		*"*	*50.0*		*103*	*84-117*				



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

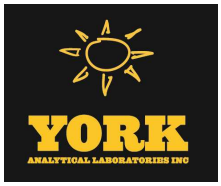
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31117 - EPA 3550B											
Blank (BE31117-BLK1)											
Prepared & Analyzed: 05/24/2013											
Acenaphthene	ND	0.167	mg/kg wet								
Acenaphthylene	ND	0.167	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.167	"								
Benzo(a)anthracene	ND	0.167	"								
Benzo(a)pyrene	ND	0.167	"								
Benzo(b)fluoranthene	ND	0.167	"								
Benzo(g,h,i)perylene	ND	0.167	"								
Benzyl alcohol	ND	0.167	"								
Benzo(k)fluoranthene	ND	0.167	"								
Benzyl butyl phthalate	ND	0.167	"								
4-Bromophenyl phenyl ether	ND	0.167	"								
4-Chloro-3-methylphenol	ND	0.167	"								
4-Chloroaniline	ND	0.167	"								
Bis(2-chloroethoxy)methane	ND	0.167	"								
Bis(2-chloroethyl)ether	ND	0.167	"								
Bis(2-chloroisopropyl)ether	ND	0.167	"								
Bis(2-ethylhexyl)phthalate	ND	0.167	"								
2-Chloronaphthalene	ND	0.167	"								
2-Chlorophenol	ND	0.167	"								
4-Chlorophenyl phenyl ether	ND	0.167	"								
Chrysene	ND	0.167	"								
Dibenzo(a,h)anthracene	ND	0.167	"								
Dibenzofuran	ND	0.167	"								
Di-n-butyl phthalate	ND	0.167	"								
1,2-Dichlorobenzene	ND	0.167	"								
1,4-Dichlorobenzene	ND	0.167	"								
1,3-Dichlorobenzene	ND	0.167	"								
3,3'-Dichlorobenzidine	ND	0.167	"								
2,4-Dichlorophenol	ND	0.167	"								
Diethyl phthalate	ND	0.167	"								
2,4-Dimethylphenol	ND	0.167	"								
Dimethyl phthalate	ND	0.167	"								
2-Nitroaniline	ND	0.167	"								
4,6-Dinitro-2-methylphenol	ND	0.333	"								
2,4-Dinitrophenol	ND	0.333	"								
2,6-Dinitrotoluene	ND	0.167	"								
2,4-Dinitrotoluene	ND	0.167	"								
Di-n-octyl phthalate	ND	0.167	"								
Fluoranthene	ND	0.167	"								
Fluorene	ND	0.167	"								
Hexachlorobenzene	ND	0.167	"								
Hexachlorobutadiene	ND	0.167	"								
Hexachlorocyclopentadiene	ND	0.167	"								
Hexachloroethane	ND	0.167	"								
Indeno(1,2,3-cd)pyrene	ND	0.167	"								
Isophorone	ND	0.167	"								
2-Methylnaphthalene	ND	0.167	"								
2-Methylphenol	ND	0.167	"								
3- & 4-Methylphenols	ND	0.167	"								
Naphthalene	ND	0.167	"								

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

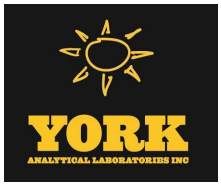
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31117 - EPA 3550B											
Blank (BE31117-BLK1)								Prepared & Analyzed: 05/24/2013			
3-Nitroaniline	ND	0.167	mg/kg wet								
4-Nitroaniline	ND	0.167	"								
Nitrobenzene	ND	0.167	"								
4-Nitrophenol	ND	0.167	"								
2-Nitrophenol	ND	0.167	"								
N-nitroso-di-n-propylamine	ND	0.167	"								
N-Nitrosodimethylamine	ND	0.167	"								
N-Nitrosodiphenylamine	ND	0.167	"								
Pentachlorophenol	ND	0.167	"								
Phenanthrene	ND	0.167	"								
Phenol	ND	0.167	"								
Pyrene	ND	0.167	"								
Pyridine	ND	0.167	"								
1,2,4-Trichlorobenzene	ND	0.167	"								
2,4,5-Trichlorophenol	ND	0.167	"								
2,4,6-Trichlorophenol	ND	0.167	"								
Surrogate: 2,4,6-Tribromophenol	*2.60*		*"*	*2.50*		*104*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*1.16*		*"*	*1.67*		*69.7*	*30-130*				
Surrogate: 2-Fluorophenol	*1.58*		*"*	*2.50*		*63.3*	*15-110*				
Surrogate: Nitrobenzene-d5	*1.12*		*"*	*1.67*		*67.0*	*30-130*				
Surrogate: Phenol-d5	*1.60*		*"*	*2.50*		*63.9*	*15-110*				
Surrogate: Terphenyl-d14	*1.67*		*"*	*1.67*		*100*	*30-130*				
LCS (BE31117-BS1)								Prepared & Analyzed: 05/24/2013			
Acenaphthene	1.23	0.167	mg/kg wet	1.67		74.0	31.1-109				
Acenaphthylene	1.15	0.167	"	1.67		69.3	31.1-106				
Aniline	1.33	0.167	"	1.67		79.9	5.07-149				
Anthracene	1.13	0.167	"	1.67		67.6	31.5-107				
Benzo(a)anthracene	1.38	0.167	"	1.67		82.8	31.5-115				
Benzo(a)pyrene	1.42	0.167	"	1.67		84.9	29.1-138				
Benzo(b)fluoranthene	1.35	0.167	"	1.67		80.8	14.9-131				
Benzo(g,h,i)perylene	1.45	0.167	"	1.67		86.8	6.56-121				
Benzyl alcohol	1.27	0.167	"	1.67		76.5	25.4-119				
Benzo(k)fluoranthene	1.33	0.167	"	1.67		79.8	29.1-121				
Benzyl butyl phthalate	1.41	0.167	"	1.67		84.8	31.3-112				
4-Bromophenyl phenyl ether	1.17	0.167	"	1.67		70.3	25.2-113				
4-Chloro-3-methylphenol	1.23	0.167	"	1.67		73.6	29.5-124				
4-Chloroaniline	1.62	0.167	"	1.67		97.0	10-177				
Bis(2-chloroethoxy)methane	1.24	0.167	"	1.67		74.1	27.9-111				
Bis(2-chloroethyl)ether	1.24	0.167	"	1.67		74.1	18-122				
Bis(2-chloroisopropyl)ether	1.22	0.167	"	1.67		72.9	9.62-123				
Bis(2-ethylhexyl)phthalate	1.32	0.167	"	1.67		79.0	25-105				
2-Chloronaphthalene	1.05	0.167	"	1.67		63.1	31.7-108				
2-Chlorophenol	1.24	0.167	"	1.67		74.7	20.3-125				
4-Chlorophenyl phenyl ether	1.13	0.167	"	1.67		67.8	23.6-110				
Chrysene	1.43	0.167	"	1.67		85.6	27.4-117				
Dibenzo(a,h)anthracene	1.38	0.167	"	1.67		82.6	14.6-119				
Dibenzofuran	1.24	0.167	"	1.67		74.1	30.2-108				
Di-n-butyl phthalate	1.22	0.167	"	1.67		73.1	33.5-100				
1,2-Dichlorobenzene	1.25	0.167	"	1.67		75.0	22.8-114				
1,4-Dichlorobenzene	1.19	0.167	"	1.67		71.5	19.8-121				



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31117 - EPA 3550B											
LCS (BE31117-BS1)							Prepared & Analyzed: 05/24/2013				
1,3-Dichlorobenzene	1.26	0.167	mg/kg wet	1.67		75.6	20.6-119				
3,3'-Dichlorobenzidine	1.81	0.167	"	1.67		109	10-180				
2,4-Dichlorophenol	1.17	0.167	"	1.67		70.0	23.3-125				
Diethyl phthalate	1.29	0.167	"	1.67		77.6	29.7-111				
2,4-Dimethylphenol	1.13	0.167	"	1.67		67.9	29.8-115				
Dimethyl phthalate	1.32	0.167	"	1.67		79.5	27-118				
2-Nitroaniline	1.18	0.167	"	1.67		70.6	40-140				
4,6-Dinitro-2-methylphenol	1.51	0.333	"	1.67		90.6	10-122				
2,4-Dinitrophenol	1.97	0.333	"	1.67		118	10-151				
2,6-Dinitrotoluene	1.19	0.167	"	1.67		71.4	26.1-119				
2,4-Dinitrotoluene	1.34	0.167	"	1.67		80.2	21.4-126				
Di-n-octyl phthalate	1.08	0.167	"	1.67		64.5	19-129				
Fluoranthene	1.17	0.167	"	1.67		70.2	31.3-110				
Fluorene	1.15	0.167	"	1.67		69.1	29.9-108				
Hexachlorobenzene	1.15	0.167	"	1.67		68.8	31.7-102				
Hexachlorobutadiene	1.21	0.167	"	1.67		72.6	10.1-134				
Hexachlorocyclopentadiene	1.13	0.167	"	1.67		67.8	10-122				
Hexachloroethane	1.23	0.167	"	1.67		73.8	20.2-114				
Indeno(1,2,3-cd)pyrene	1.46	0.167	"	1.67		87.4	12.6-120				
Isophorone	1.26	0.167	"	1.67		75.7	27.2-113				
2-Methylnaphthalene	1.18	0.167	"	1.67		70.9	17.4-119				
2-Methylphenol	1.64	0.167	"	1.67		98.6	23.6-125				
3- & 4-Methylphenols	1.14	0.167	"	1.67		68.2	21.3-115				
Naphthalene	1.17	0.167	"	1.67		70.2	25.2-111				
3-Nitroaniline	1.46	0.167	"	1.67		87.5	9.73-147				
4-Nitroaniline	1.57	0.167	"	1.67		94.3	6.42-169				
Nitrobenzene	1.15	0.167	"	1.67		68.9	21.8-118				
4-Nitrophenol	1.51	0.167	"	1.67		90.8	10-136				
2-Nitrophenol	1.09	0.167	"	1.67		65.7	20.6-119				
N-nitroso-di-n-propylamine	1.27	0.167	"	1.67		76.3	25.3-118				
N-Nitrosodimethylamine	1.33	0.167	"	1.67		80.0	10-142				
N-Nitrosodiphenylamine	1.29	0.167	"	1.67		77.6	35.8-132				
Pentachlorophenol	1.38	0.167	"	1.67		83.0	3.68-146				
Phenanthrene	1.17	0.167	"	1.67		70.0	31.2-105				
Phenol	1.11	0.167	"	1.67		66.7	23.2-117				
Pyrene	1.29	0.167	"	1.67		77.5	26.3-124				
Pyridine	0.438	0.167	"	1.67		26.3	10-122				
1,2,4-Trichlorobenzene	1.23	0.167	"	1.67		73.6	19.3-128				
2,4,5-Trichlorophenol	1.13	0.167	"	1.67		67.8	19.5-131				
2,4,6-Trichlorophenol	1.19	0.167	"	1.67		71.5	24.2-123				
Surrogate: 2,4,6-Tribromophenol	*1.62*		*"*	*2.50*		*64.9*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*0.951*		*"*	*1.67*		*56.9*	*30-130*				
Surrogate: 2-Fluorophenol	*1.64*		*"*	*2.50*		*65.8*	*15-110*				
Surrogate: Nitrobenzene-d5	*1.12*		*"*	*1.67*		*67.0*	*30-130*				
Surrogate: Phenol-d5	*1.62*		*"*	*2.50*		*64.5*	*15-110*				
Surrogate: Terphenyl-d14	*1.13*		*"*	*1.67*		*68.0*	*30-130*				



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31117 - EPA 3550B											
LCS Dup (BE31117-BSD1)							Prepared & Analyzed: 05/24/2013				
Acenaphthene	1.57	0.167	mg/kg wet	1.67		94.1	31.1-109		23.9	30	
Acenaphthylene	1.43	0.167	"	1.67		85.9	31.1-106		21.4	30	
Aniline	1.70	0.167	"	1.67		102	5.07-149		24.2	30	
Anthracene	1.39	0.167	"	1.67		83.5	31.5-107		21.0	30	
Benzo(a)anthracene	1.58	0.167	"	1.67		94.9	31.5-115		13.7	30	
Benzo(a)pyrene	1.67	0.167	"	1.67		100	29.1-138		16.6	30	
Benzo(b)fluoranthene	1.64	0.167	"	1.67		98.2	14.9-131		19.4	30	
Benzo(g,h,i)perylene	1.69	0.167	"	1.67		102	6.56-121		15.8	30	
Benzyl alcohol	1.65	0.167	"	1.67		99.1	25.4-119		25.7	30	
Benzo(k)fluoranthene	1.41	0.167	"	1.67		84.8	29.1-121		6.07	30	
Benzyl butyl phthalate	1.77	0.167	"	1.67		106	31.3-112		22.6	30	
4-Bromophenyl phenyl ether	1.33	0.167	"	1.67		79.8	25.2-113		12.8	30	
4-Chloro-3-methylphenol	1.53	0.167	"	1.67		91.7	29.5-124		21.9	30	
4-Chloroaniline	1.77	0.167	"	1.67		106	10-177		9.15	30	
Bis(2-chloroethoxy)methane	1.47	0.167	"	1.67		88.1	27.9-111		17.3	30	
Bis(2-chloroethyl)ether	1.48	0.167	"	1.67		88.6	18-122		17.8	30	
Bis(2-chloroisopropyl)ether	1.48	0.167	"	1.67		88.8	9.62-123		19.7	30	
Bis(2-ethylhexyl)phthalate	1.49	0.167	"	1.67		89.4	25-105		12.3	30	
2-Chloronaphthalene	1.46	0.167	"	1.67		87.3	31.7-108		32.3	30	Non-dir.
2-Chlorophenol	1.60	0.167	"	1.67		95.9	20.3-125		24.9	30	
4-Chlorophenyl phenyl ether	1.40	0.167	"	1.67		84.1	23.6-110		21.4	30	
Chrysene	1.68	0.167	"	1.67		101	27.4-117		16.1	30	
Dibenzo(a,h)anthracene	1.62	0.167	"	1.67		96.9	14.6-119		16.0	30	
Dibenzofuran	1.53	0.167	"	1.67		91.8	30.2-108		21.3	30	
Di-n-butyl phthalate	1.40	0.167	"	1.67		83.7	33.5-100		13.5	30	
1,2-Dichlorobenzene	1.60	0.167	"	1.67		96.0	22.8-114		24.7	30	
1,4-Dichlorobenzene	1.56	0.167	"	1.67		93.8	19.8-121		26.9	30	
1,3-Dichlorobenzene	1.57	0.167	"	1.67		94.1	20.6-119		21.8	30	
3,3'-Dichlorobenzidine	1.94	0.167	"	1.67		117	10-180		6.90	30	
2,4-Dichlorophenol	1.46	0.167	"	1.67		87.7	23.3-125		22.5	30	
Diethyl phthalate	1.56	0.167	"	1.67		93.6	29.7-111		18.7	30	
2,4-Dimethylphenol	1.44	0.167	"	1.67		86.3	29.8-115		23.8	30	
Dimethyl phthalate	1.73	0.167	"	1.67		104	27-118		26.4	30	
2-Nitroaniline	1.75	0.167	"	1.67		105	40-140		39.1	30	Non-dir.
4,6-Dinitro-2-methylphenol	1.80	0.333	"	1.67		108	10-122		17.6	30	
2,4-Dinitrophenol	2.98	0.333	"	1.67		179	10-151	High Bias	40.8	30	Non-dir.
2,6-Dinitrotoluene	1.47	0.167	"	1.67		88.3	26.1-119		21.1	30	
2,4-Dinitrotoluene	1.72	0.167	"	1.67		103	21.4-126		25.3	30	
Di-n-octyl phthalate	1.26	0.167	"	1.67		75.4	19-129		15.5	30	
Fluoranthene	1.38	0.167	"	1.67		83.1	31.3-110		16.8	30	
Fluorene	1.40	0.167	"	1.67		84.1	29.9-108		19.6	30	
Hexachlorobenzene	1.38	0.167	"	1.67		82.6	31.7-102		18.3	30	
Hexachlorobutadiene	1.46	0.167	"	1.67		87.4	10.1-134		18.6	30	
Hexachlorocyclopentadiene	1.46	0.167	"	1.67		87.6	10-122		25.4	30	
Hexachloroethane	1.54	0.167	"	1.67		92.2	20.2-114		22.2	30	
Indeno(1,2,3-cd)pyrene	1.70	0.167	"	1.67		102	12.6-120		15.5	30	
Isophorone	1.63	0.167	"	1.67		97.6	27.2-113		25.3	30	
2-Methylnaphthalene	1.43	0.167	"	1.67		85.6	17.4-119		18.9	30	
2-Methylphenol	2.03	0.167	"	1.67		122	23.6-125		21.2	30	
3- & 4-Methylphenols	1.45	0.167	"	1.67		87.1	21.3-115		24.4	30	
Naphthalene	1.38	0.167	"	1.67		82.5	25.2-111		16.1	30	

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31117 - EPA 3550B											
LCS Dup (BE31117-BSD1)								Prepared & Analyzed: 05/24/2013			
3-Nitroaniline	1.97	0.167	mg/kg wet	1.67		118	9.73-147		30.0	30	
4-Nitroaniline	2.54	0.167	"	1.67		152	6.42-169		47.2	30	Non-dir.
Nitrobenzene	1.46	0.167	"	1.67		87.4	21.8-118		23.7	30	
4-Nitrophenol	2.19	0.167	"	1.67		132	10-136		36.7	30	Non-dir.
2-Nitrophenol	1.45	0.167	"	1.67		87.2	20.6-119		28.1	30	
N-nitroso-di-n-propylamine	1.81	0.167	"	1.67		109	25.3-118		34.9	30	Non-dir.
N-Nitrosodimethylamine	1.74	0.167	"	1.67		104	10-142		26.3	30	
N-Nitrosodiphenylamine	1.49	0.167	"	1.67		89.4	35.8-132		14.2	30	
Pentachlorophenol	1.78	0.167	"	1.67		107	3.68-146		25.1	30	
Phenanthrene	1.34	0.167	"	1.67		80.4	31.2-105		13.9	30	
Phenol	1.31	0.167	"	1.67		78.8	23.2-117		16.7	30	
Pyrene	1.61	0.167	"	1.67		96.9	26.3-124		22.2	30	
Pyridine	0.664	0.167	"	1.67		39.9	10-122		41.1	30	Non-dir.
1,2,4-Trichlorobenzene	1.41	0.167	"	1.67		84.4	19.3-128		13.6	30	
2,4,5-Trichlorophenol	1.59	0.167	"	1.67		95.4	19.5-131		33.8	30	Non-dir.
2,4,6-Trichlorophenol	1.61	0.167	"	1.67		96.3	24.2-123		29.7	30	
Surrogate: 2,4,6-Tribromophenol	*1.97*		*"*	*2.50*		*78.7*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*1.24*		*"*	*1.67*		*74.5*	*30-130*				
Surrogate: 2-Fluorophenol	*2.19*		*"*	*2.50*		*87.5*	*15-110*				
Surrogate: Nitrobenzene-d5	*1.37*		*"*	*1.67*		*82.3*	*30-130*				
Surrogate: Phenol-d5	*2.04*		*"*	*2.50*		*81.6*	*15-110*				
Surrogate: Terphenyl-d14	*1.40*		*"*	*1.67*		*84.1*	*30-130*				

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31116 - EPA 3550B											
Blank (BE31116-BLK1)											
Prepared: 05/24/2013 Analyzed: 05/28/2013											
Toxaphene	ND	0.0167	mg/kg wet								
Methoxychlor	ND	0.00165	"								
Heptachlor epoxide	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
delta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00132	"								
beta-BHC	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
Aldrin	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
4,4'-DDE	ND	0.000330	"								
4,4'-DDD	ND	0.000330	"								
Aroclor 1260	ND	0.0170	"								
Aroclor 1254	ND	0.0170	"								
Aroclor 1248	ND	0.0170	"								
Aroclor 1242	ND	0.0170	"								
Aroclor 1232	ND	0.0170	"								
Aroclor 1221	ND	0.0170	"								
Aroclor 1016	ND	0.0170	"								
Total PCBs	ND	0.0170	"								
Surrogate: Tetrachloro-m-xylene	*0.0683*		"	*0.0667*		*102*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0604*		"	*0.0670*		*90.1*	*30-150*				

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31116 - EPA 3550B											
LCS (BE31116-BS1)								Prepared: 05/24/2013 Analyzed: 05/28/2013			
Methoxychlor	0.0340	0.00165	mg/kg wet	0.0333		102	40-140				
Heptachlor epoxide	0.0296	0.000330	"	0.0333		88.9	40-140				
Heptachlor	0.0290	0.000330	"	0.0333		86.9	40-140				
gamma-BHC (Lindane)	0.0303	0.000330	"	0.0333		91.0	40-140				
Endrin ketone	0.0270	0.000330	"	0.0333		80.9	40-140				
Endrin aldehyde	0.0281	0.000330	"	0.0333		84.2	40-140				
Endrin	0.0309	0.000330	"	0.0333		92.8	40-140				
Endosulfan sulfate	0.0290	0.000330	"	0.0333		87.0	40-140				
Endosulfan II	0.0294	0.000330	"	0.0333		88.3	40-140				
Endosulfan I	0.0311	0.000330	"	0.0333		93.3	40-140				
Dieldrin	0.0296	0.000330	"	0.0333		88.7	40-140				
delta-BHC	0.0313	0.000330	"	0.0333		94.0	40-140				
beta-BHC	0.0305	0.000330	"	0.0333		91.4	40-140				
alpha-BHC	0.0316	0.000330	"	0.0333		94.8	40-140				
Aldrin	0.0308	0.000330	"	0.0333		92.4	40-140				
4,4'-DDT	0.0354	0.000330	"	0.0333		106	40-140				
4,4'-DDE	0.0294	0.000330	"	0.0333		88.2	40-140				
4,4'-DDD	0.0323	0.000330	"	0.0333		97.0	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0612*		*"*	*0.0667*		*91.7*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0551*		*"*	*0.0670*		*82.2*	*30-150*				
LCS (BE31116-BS2)								Prepared: 05/24/2013 Analyzed: 05/28/2013			
Aroclor 1260	0.296	0.0170	mg/kg wet	0.333		88.7	40-140				
Aroclor 1016	0.322	0.0170	"	0.333		96.6	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0587*		*"*	*0.0667*		*88.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0557*		*"*	*0.0670*		*83.1*	*30-150*				
LCS Dup (BE31116-BSD1)								Prepared: 05/24/2013 Analyzed: 05/28/2013			
Methoxychlor	0.0349	0.00165	mg/kg wet	0.0333		105	40-140		2.65	200	
Heptachlor epoxide	0.0300	0.000330	"	0.0333		89.9	40-140		1.15	200	
Heptachlor	0.0295	0.000330	"	0.0333		88.6	40-140		1.98	200	
gamma-BHC (Lindane)	0.0308	0.000330	"	0.0333		92.3	40-140		1.50	200	
Endrin ketone	0.0274	0.000330	"	0.0333		82.3	40-140		1.73	200	
Endrin aldehyde	0.0287	0.000330	"	0.0333		86.0	40-140		2.09	200	
Endrin	0.0314	0.000330	"	0.0333		94.1	40-140		1.44	200	
Endosulfan sulfate	0.0293	0.000330	"	0.0333		88.0	40-140		1.23	200	
Endosulfan II	0.0298	0.000330	"	0.0333		89.3	40-140		1.12	200	
Endosulfan I	0.0314	0.000330	"	0.0333		94.3	40-140		1.04	200	
Dieldrin	0.0298	0.000330	"	0.0333		89.3	40-140		0.749	200	
delta-BHC	0.0319	0.000330	"	0.0333		95.7	40-140		1.76	200	
beta-BHC	0.0309	0.000330	"	0.0333		92.7	40-140		1.39	200	
alpha-BHC	0.0319	0.000330	"	0.0333		95.8	40-140		1.06	200	
Aldrin	0.0312	0.000330	"	0.0333		93.6	40-140		1.27	200	
4,4'-DDT	0.0336	0.000330	"	0.0333		101	40-140		5.19	200	
4,4'-DDE	0.0298	0.000330	"	0.0333		89.4	40-140		1.41	200	
4,4'-DDD	0.0329	0.000330	"	0.0333		98.6	40-140		1.58	200	
Surrogate: Tetrachloro-m-xylene	*0.0615*		*"*	*0.0667*		*92.2*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0559*		*"*	*0.0670*		*83.4*	*30-150*				

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31116 - EPA 3550B											
Matrix Spike (BE31116-MS1)	*Source sample: 13E0744-11 (DUP-1 (052113))										Prepared: 05/24/2013 Analyzed: 05/28/2013
Methoxychlor	0.0391	0.00956	mg/kg dry	0.0386	ND	101	30-150				
Heptachlor epoxide	0.0340	0.00191	"	0.0386	ND	87.9	30-150				
Heptachlor	0.0322	0.00191	"	0.0386	ND	83.4	30-150				
gamma-BHC (Lindane)	0.0375	0.00191	"	0.0386	ND	97.1	30-150				
Endrin ketone	0.0367	0.00191	"	0.0386	ND	94.9	30-150				
Endrin aldehyde	0.0338	0.00191	"	0.0386	ND	87.4	30-150				
Endrin	0.0368	0.00191	"	0.0386	ND	95.1	30-150				
Endosulfan sulfate	0.0351	0.00191	"	0.0386	ND	90.8	30-150				
Endosulfan II	0.0335	0.00191	"	0.0386	ND	86.7	30-150				
Endosulfan I	0.0346	0.00191	"	0.0386	ND	89.7	30-150				
Dieldrin	0.0336	0.00191	"	0.0386	ND	86.9	30-150				
delta-BHC	0.0320	0.00191	"	0.0386	ND	82.8	30-150				
beta-BHC	0.0354	0.00191	"	0.0386	ND	91.6	30-150				
alpha-BHC	0.0368	0.00191	"	0.0386	ND	95.2	30-150				
Aldrin	0.0297	0.00191	"	0.0386	ND	76.8	30-150				
4,4'-DDT	0.0313	0.00191	"	0.0386	ND	80.9	30-150				
4,4'-DDE	0.0296	0.00191	"	0.0386	ND	76.7	30-150				
4,4'-DDD	0.0321	0.00191	"	0.0386	ND	83.0	30-150				
Surrogate: Tetrachloro-m-xylene	*0.0460*		*"*	*0.0773*		*59.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0358*		*"*	*0.0777*		*46.1*	*30-150*				

Polychlorinated Biphenyls (PCB) by EPA SW 846-8082/EPA Compendium 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 BE31118 - EPA 3550B											
Blank (BE31118-BLK1)											Prepared: 05/24/2013 Analyzed: 05/28/2013
Aroclor 1016	ND	0.0170	mg/kg wet								
Aroclor 1221	ND	0.0170	"								
Aroclor 1232	ND	0.0170	"								
Aroclor 1242	ND	0.0170	"								
Aroclor 1248	ND	0.0170	"								
Aroclor 1254	ND	0.0170	"								
Aroclor 1260	ND	0.0170	"								
Total PCBs	ND	0.0170	"								
Surrogate: Tetrachloro-m-xylene	*0.0517*		*"*	*0.0667*		*77.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0533*		*"*	*0.0670*		*79.6*	*30-150*				
LCS (BE31118-BS1)											Prepared: 05/24/2013 Analyzed: 05/28/2013
Aroclor 1016	0.267	0.0170	mg/kg wet	0.333		80.0	40-140				
Aroclor 1260	0.259	0.0170	"	0.333		77.7	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0523*		*"*	*0.0667*		*78.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0547*		*"*	*0.0670*		*81.6*	*30-150*				
LCS Dup (BE31118-BSD1)											Prepared: 05/24/2013 Analyzed: 05/28/2013
Aroclor 1016	0.284	0.0170	mg/kg wet	0.333		85.1	40-140		6.20	25	
Aroclor 1260	0.277	0.0170	"	0.333		83.2	40-140		6.83	25	
Surrogate: Tetrachloro-m-xylene	*0.0570*		*"*	*0.0667*		*85.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0610*		*"*	*0.0670*		*91.0*	*30-150*				
Matrix Spike (BE31118-MS1)	*Source sample: 13E0744-02 (MW-5 (6-8))										Prepared: 05/24/2013 Analyzed: 05/28/2013
Aroclor 1016	0.293	0.0189	mg/kg dry	0.370	ND	79.2	40-140				
Aroclor 1260	0.271	0.0189	"	0.370	ND	73.3	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0444*		*"*	*0.0741*		*60.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.0437*		*"*	*0.0744*		*58.7*	*30-150*				

Metals by EPA 6000 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 BE31111 - EPA 3050B											
Blank (BE31111-BLK1)									Prepared & Analyzed: 05/23/2013		
Aluminum	ND	2.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	0.500	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.500	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	1.00	"								
Nickel	ND	0.500	"								
Potassium	ND	10.0	"								
Selenium	ND	0.500	"								
Silver	ND	0.500	"								
Sodium	13.0	10.0	"								
Thallium	ND	0.500	"								
Vanadium	ND	0.500	"								
Zinc	ND	0.500	"								
Duplicate (BE31111-DUP1)	*Source sample: 13E0744-10 (LG-19 (26-28))								Prepared & Analyzed: 05/23/2013		
Aluminum	7140	2.26	mg/kg dry		7220				1.02	35	
Antimony	ND	0.565	"		ND					35	
Arsenic	1.36	1.13	"		1.22				10.4	35	
Barium	45.5	0.565	"		45.2				0.541	35	
Beryllium	ND	0.113	"		ND					35	
Cadmium	ND	0.565	"		ND					35	
Calcium	1150	5.65	"		1170				1.21	35	
Chromium	12.2	0.565	"		12.2				0.0215	35	
Cobalt	6.42	0.565	"		6.37				0.643	35	
Copper	10.8	0.565	"		10.8				0.307	35	
Iron	10100	2.26	"		10200				1.10	35	
Lead	3.85	0.339	"		3.74				2.97	35	
Magnesium	1920	5.65	"		1950				1.62	35	
Manganese	200	1.13	"		202				0.774	35	
Nickel	14.4	0.565	"		14.0				2.53	35	
Potassium	986	11.3	"		1000				1.87	35	
Selenium	0.680	0.565	"		0.671				1.39	35	
Silver	ND	0.565	"		ND					35	
Sodium	183	11.3	"		183				0.281	35	
Thallium	ND	0.565	"		ND					35	
Vanadium	14.5	0.565	"		14.5				0.203	35	
Zinc	23.0	0.565	"		23.1				0.406	35	

Metals by EPA 6000 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 BE31111 - EPA 3050B											
Matrix Spike (BE31111-MS1)	*Source sample: 13E0744-10 (LG-19 (26-28))							Prepared & Analyzed: 05/23/2013			
Aluminum	7420	2.26	mg/kg dry	226	7220	88.1	75-125				
Antimony	29.3	0.565	"	28.3	ND	104	75-125				
Arsenic	223	1.13	"	226	1.22	98.0	75-125				
Barium	272	0.565	"	226	45.2	100	75-125				
Beryllium	4.79	0.113	"	5.65	ND	84.7	75-125				
Cadmium	5.53	0.565	"	5.65	ND	97.7	75-125				
Chromium	35.8	0.565	"	22.6	12.2	104	75-125				
Cobalt	64.5	0.565	"	56.5	6.37	103	75-125				
Copper	40.1	0.565	"	28.3	10.8	104	75-125				
Iron	10200	2.26	"	113	10200	51.7	75-125	Low Bias			
Lead	59.8	0.339	"	56.5	3.74	99.2	75-125				
Magnesium	1940	5.65	"		1950		75-125				
Manganese	257	1.13	"	56.5	202	97.1	75-125				
Nickel	72.2	0.565	"	56.5	14.0	103	75-125				
Potassium	988	11.3	"		1000		75-125				
Silver	4.08	0.565	"	5.65	ND	72.2	75-125	Low Bias			
Sodium	179	11.3	"		183		75-125				
Thallium	229	0.565	"	226	ND	101	75-125				
Vanadium	68.2	0.565	"	56.5	14.5	95.0	75-125				
Zinc	80.9	0.565	"	56.5	23.1	102	75-125				
Reference (BE31111-SRM1)								Prepared & Analyzed: 05/23/2013			
Aluminum	8040	2.00	mg/kg wet	8360		96.2	40.4-159				
Antimony	128	0.500	"	92.9		137	24.8-272				
Arsenic	89.1	1.00	"	94.5		94.3	69.2-131				
Barium	154	0.500	"	166		92.5	72.9-127				
Beryllium	49.7	0.100	"	52.6		94.5	73-127				
Cadmium	54.6	0.500	"	59.9		91.1	73.1-127				
Calcium	5720	5.00	"	6160		92.9	73.9-126				
Chromium	65.1	0.500	"	69.3		93.9	68.4-132				
Cobalt	98.4	0.500	"	101		97.4	74.2-125				
Copper	76.6	0.500	"	78.0		98.2	73.6-126				
Iron	13000	2.00	"	12800		102	31.8-168				
Lead	82.9	0.300	"	91.7		90.4	70.2-130				
Magnesium	2760	5.00	"	3030		91.2	66-134				
Manganese	262	1.00	"	283		92.6	73.9-125				
Nickel	60.3	0.500	"	56.6		107	70-130				
Potassium	3510	10.0	"	3820		91.9	64.7-136				
Selenium	152	0.500	"	159		95.9	67.9-133				
Silver	30.3	0.500	"	33.9		89.5	65.5-135				
Sodium	709	10.0	"	652		109	55.1-145				
Thallium	109	0.500	"	119		91.3	67.6-133				
Vanadium	53.8	0.500	"	56.3		95.5	53.3-147				
Zinc	132	0.500	"	137		96.0	67.4-133				

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 BE31145 - EPA SW846-7471											
Blank (BE31145-BLK1)									Prepared & Analyzed: 05/24/2013		
Mercury	ND	0.0330	mg/kg wet								
LCS (BE31145-BS1)									Prepared & Analyzed: 05/24/2013		
Mercury	3.73		mg/kg	3.73		100	67.6-131				
Duplicate (BE31145-DUP2)	*Source sample: 13E0744-01 (MW-5 (0-2))								Prepared & Analyzed: 05/24/2013		
Mercury	ND	0.0386	mg/kg dry		ND					35	
Matrix Spike (BE31145-MS2)	*Source sample: 13E0744-01 (MW-5 (0-2))								Prepared & Analyzed: 05/24/2013		
Mercury	0.350		mg/kg	0.333	ND	105	75-125				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13E0744-01	MW-5 (0-2)	Encore Sampler
13E0744-02	MW-5 (6-8)	Encore Sampler
13E0744-03	LG-20 (0-2)	Encore Sampler
13E0744-04	LG-20 (22-24)	Encore Sampler
13E0744-05	LG-21 (0-2)	Encore Sampler
13E0744-06	LG-21 (20-22)	Encore Sampler
13E0744-07	MW-10 (1-3)	Encore Sampler
13E0744-08	MW-10 (32-34)	Encore Sampler
13E0744-09	LG-19 (0-2)	Encore Sampler
13E0744-10	LG-19 (26-28)	Encore Sampler
13E0744-11	DUP-1 (052113)	Encore Sampler
13E0744-12	TB_052113	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

U	Analyte included in the analysis, but not detected
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
D	The result reported is from a dilution of the sample due to levels of target compounds found
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 13E0744

YOUR Information

Company: Langan
Address: 360 W 31st St NY, NY 10001
Phone No. (212) 479-5400
Contact Person: Brandon Nathe
E-Mail Address: BNathe@Langan.com

Report To:

Company: SAME
Address:
Phone No.
Attention: Paul McMahon
E-Mail Address: PMcMahon@Langan.com

Invoice To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

170246501

Purchase Order No.

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☑
- Standard(5-7 Days) ☐

Report Type

- Summary Report X
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package X
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel
- NYSDEC EQuIS X
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other

York Regulatory Comparison
Excel Spreadsheet X
Compare to the following Regs. (please fill in):
Part 375 Unrestricted

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Paul McMahon
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-5 (0-2)	5/21/13 10:25	S	VOC/SVOC/Metals/PCB/Pest (see circled)	1 8-oz., 3 Encore, 1 VOA
MW-5 (6-8)	10:35		VOC/SVOC/Metals/PCB	
LG-20 (0-2)	11:44		VOC/SVOC/Metals/PCB/Pest	
LG-20 (22-24)	12:01		VOC/SVOC/Metals/PCB	
LG-21 (0-2)	10:55		VOC/SVOC/Metals/PCB/Pest	
LG-21 (20-22)	11:25		VOC/SVOC/Metals/PCB	
MW-10 (1-3)	13:33		VOC/SVOC/Metals/PCB/Pest	
MW-10 (32-34)	13:55		VOC/SVOC/Metals/PCB	
LG-19 (0-2)	13:06		VOC/SVOC/Metals/PCB/Pest	
LG-19 (26-28)	13:10		VOC/SVOC/Metals/PCB	

Comments

Preservation Check those Applicable
4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time 5/21/13 7:45	Samples Received By	Date/Time 5-22-13
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time 5-22-13 1640

Temperature on Receipt 3.3 °C

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 13E0744

YOUR Information

Company: Langan
Address: 360 W 31st St
NY, NY 10001
Phone No. (212) 479-5400
Contact Person: Brandon Nathe
E-Mail Address: BNathe@langan.com

Report To:

Company: SAME
Address:
Phone No.
Attention: Paul McMahon
E-Mail Address: PMcMahon@langan.com

Invoice To:

Company: SAME
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

170246501

Purchase Order No.

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☑
- Standard(5-7 Days) ☐

Report Type

- Summary Report X
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package X
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel
- NYSDEC EQuIS X
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other

York Regulatory Comparison Excel Spreadsheet X
Compare to the following Regs. (please fill in):
Part 375 Unrestricted

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.

Paul McMahon
Samples Collected/Authorized By (Signature)
Paul McMahon
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
DUP-1 (052113)	5/21/13	S	VOC/SVOC/Metals/PCB/Pest	1 8-oz., 3 Encore, 1 VOA
TB-052113	5/21/13	DI Water	VOC	1 VOA

Comments

Preservation Check those Applicable
4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: 5/21/13 7:45
Samples Relinquished By — Date/Time:

Samples Received By — Date/Time: 5-22-13
Samples Received in LAB by: Grace — Date/Time: 5-22-13 1640

74.5AM

Temperature on Receipt: 3.3 °C

Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Report Date: 05/31/2013
Client Project ID: 170246501
York Project (SDG) No.: 13E0868

Report Date: 05/31/2013
Client Project ID: 170246501
York Project (SDG) No.: 13E0868

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 24, 2013 and listed below. The project was identified as your project: **170246501**.

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 Notes 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 attachment to 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13E0868-01	MW-8_052313	Water	05/23/2013	05/24/2013
13E0868-02	DUP-1_052313	Water	05/23/2013	05/24/2013
13E0868-03	MW-9_052313	Water	05/23/2013	05/24/2013
13E0868-04	MW-6_052313	Water	05/23/2013	05/24/2013
13E0868-05	MW-7_052313	Water	05/23/2013	05/24/2013
13E0868-06	MW-3_052313	Water	05/23/2013	05/24/2013
13E0868-07	MW-10_052313	Water	05/23/2013	05/24/2013
13E0868-08	TRC-MW-3_052413	Water	05/24/2013	05/24/2013
13E0868-09	FB_052413	Water	05/24/2013	05/24/2013

General Notes for York Project (SDG) No.: 13E0868

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 05/31/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: MW-8_052313 **York Sample ID:** 13E0868-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 2:32 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
74-83-9	Bromomethane	**2.6**	J	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS

Sample Information

Client Sample ID: MW-8_052313 **York Sample ID:** 13E0868-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 2:32 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
75-09-2	Methylene chloride	**7.6**		ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS

Sample Information

Client Sample ID: MW-8_052313 **York Sample ID:** 13E0868-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 2:32 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/28/2013 23:59	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.5 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81.2-127*

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0187	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0316	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
62-53-3	Aniline	ND		ug/L	1.82	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
120-12-7	Anthracene	ND		ug/L	0.0206	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0133	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0182	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0328	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.76	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0133	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0224	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.03	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.61	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.29	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.61	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.15	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.82	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.62	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
117-81-7	Bis(2-ethylhexyl)phthalate	**0.861**	J	ug/L	0.571	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.67	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.17	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.97	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
218-01-9	Chrysene	ND		ug/L	0.0141	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0481	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
132-64-9	Dibenzofuran	ND		ug/L	2.92	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.48	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR

Sample Information

Client Sample ID: MW-8_052313 **York Sample ID:** 13E0868-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 2:32 pm	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.02	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.16	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.68	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.54	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.29	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.10	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.94	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.32	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.96	12.1	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.73	12.1	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.95	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.95	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.36	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
206-44-0	Fluoranthene	ND		ug/L	0.0264	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
86-73-7	Fluorene	ND		ug/L	0.0127	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.54	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.38	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.07	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
67-72-1	Hexachloroethane	ND		ug/L	3.68	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0164	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
78-59-1	Isophorone	ND		ug/L	3.25	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	0.0526	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.36	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
95-48-7	2-Methylphenol	ND		ug/L	1.41	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
91-20-3	Naphthalene	ND		ug/L	0.00945	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.25	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.04	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.04	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
98-95-3	Nitrobenzene	ND		ug/L	2.05	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.86	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.01	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.10	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR

Sample Information

Client Sample ID: MW-8_052313 **York Sample ID:** 13E0868-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 2:32 pm	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.472	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	6.06	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
87-86-5	Pentachlorophenol	ND		ug/L	1.76	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
85-01-8	Phenanthrene	ND		ug/L	0.0606	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:22	SR
108-95-2	Phenol	ND		ug/L	1.33	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
129-00-0	Pyrene	ND		ug/L	0.0288	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
110-86-1	Pyridine	ND		ug/L	4.74	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.99	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.12	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.32	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 12:46	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*98.6 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*68.9 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*31.2 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*64.0 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*18.0 %*	*10-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*102 %*	*30-130*

Polychlorinated Biphenyls (PCB)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8082A	05/29/2013 06:17	05/30/2013 16:05	JW
11104-28-2	Aroclor 1221	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8082A	05/29/2013 06:17	05/30/2013 16:05	JW
11141-16-5	Aroclor 1232	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8082A	05/29/2013 06:17	05/30/2013 16:05	JW
53469-21-9	Aroclor 1242	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8082A	05/29/2013 06:17	05/30/2013 16:05	JW
12672-29-6	Aroclor 1248	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8082A	05/29/2013 06:17	05/30/2013 16:05	JW
11097-69-1	Aroclor 1254	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8082A	05/29/2013 06:17	05/30/2013 16:05	JW
11096-82-5	Aroclor 1260	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8082A	05/29/2013 06:17	05/30/2013 16:05	JW
1336-36-3	Total PCBs	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8082A	05/29/2013 06:17	05/30/2013 16:05	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*43.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*69.7 %*	*30-150*

Sample Information

Client Sample ID: MW-8_052313 **York Sample ID:** 13E0868-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 2:32 pm	05/24/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**96**		ug/L	10	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-36-0	Antimony	ND	U	ug/L	3	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-38-2	Arsenic	ND	U	ug/L	4	4	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-39-3	Barium	**90**		ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-41-7	Beryllium	ND	U	ug/L	1	1	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-43-9	Cadmium	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-70-2	Calcium	**137000**		ug/L	19	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-47-3	Chromium	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-48-4	Cobalt	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-50-8	Copper	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7439-89-6	Iron	**144**		ug/L	10	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7439-92-1	Lead	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7439-95-4	Magnesium	**25500**		ug/L	10	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7439-96-5	Manganese	**1660**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-02-0	Nickel	ND	U	ug/L	1	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-09-7	Potassium	**13100**		ug/L	26	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7782-49-2	Selenium	ND	U	ug/L	7	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-22-4	Silver	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-23-5	Sodium	**59500**		ug/L	61	100	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-28-0	Thallium	ND	U	ug/L	3	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-62-2	Vanadium	ND	U	ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW
7440-66-6	Zinc	**29**		ug/L	2	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 10:59	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	ug/L	0.2	0.2	1	EPA SW846-7470	05/29/2013 13:49	05/30/2013 11:28	AA

Sample Information

Client Sample ID: DUP-1_052313 **York Sample ID:** 13E0868-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 3:00 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: DUP-1_052313 **York Sample ID:** 13E0868-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 3:00 pm	05/24/2013

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
74-83-9	Bromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS

Sample Information

Client Sample ID: DUP-1_052313 **York Sample ID:** 13E0868-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 3:00 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
75-09-2	Methylene chloride	**5.6**		ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 00:38	SS

Sample Information

Client Sample ID: DUP-1_052313 **York Sample ID:** 13E0868-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 3:00 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**			**Acceptance Range**						
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*			*72.6-129*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*			*63.5-145*						
2037-26-5	*Surrogate: Toluene-d8*	*100 %*			*81.2-127*						

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0166	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0282	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
62-53-3	Aniline	ND		ug/L	1.62	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
120-12-7	Anthracene	ND		ug/L	0.0184	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0119	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0162	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0293	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.57	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0119	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0200	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.921	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.44	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.04	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.22	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.91	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.62	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.23	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
117-81-7	Bis(2-ethylhexyl)phthalate	**0.789**	J	ug/L	0.509	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.38	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.94	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.65	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
218-01-9	Chrysene	ND		ug/L	0.0125	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0429	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
132-64-9	Dibenzofuran	ND		ug/L	2.61	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.22	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.82	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR

Sample Information

Client Sample ID: DUP-1_052313 **York Sample ID:** 13E0868-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 3:00 pm	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.69	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.39	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.37	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.04	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.77	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.73	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.06	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.75	10.8	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.43	10.8	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.74	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.74	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.21	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
206-44-0	Fluoranthene	ND		ug/L	0.0236	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
86-73-7	Fluorene	ND		ug/L	0.0114	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.37	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.02	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.74	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
67-72-1	Hexachloroethane	ND		ug/L	3.29	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0146	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
78-59-1	Isophorone	ND		ug/L	2.90	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	0.0469	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.21	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
95-48-7	2-Methylphenol	ND		ug/L	1.25	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
91-20-3	Naphthalene	ND		ug/L	0.00843	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.90	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.82	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.82	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
98-95-3	Nitrobenzene	ND		ug/L	1.83	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.55	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
100-02-7	4-Nitrophenol	ND		ug/L	1.79	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.77	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.421	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR

Sample Information

Client Sample ID: DUP-1_052313 **York Sample ID:** 13E0868-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 3:00 pm	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.41	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
87-86-5	Pentachlorophenol	ND		ug/L	1.57	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 14:51	SR
85-01-8	Phenanthrene	ND		ug/L	0.0541	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
108-95-2	Phenol	ND		ug/L	1.19	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
129-00-0	Pyrene	ND		ug/L	0.0257	0.0541	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
110-86-1	Pyridine	ND		ug/L	4.23	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.67	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.89	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.06	5.41	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:17	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*99.0 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*64.0 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*24.0 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*58.3 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*12.9 %*	*10-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*113 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
72-43-5	Methoxychlor	ND	U	ug/L	0.00500	0.00500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
76-44-8	Heptachlor	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
58-89-9	gamma-BHC (Lindane)	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
53494-70-5	Endrin ketone	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
7421-93-4	Endrin aldehyde	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
72-20-8	Endrin	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
1031-07-8	Endosulfan sulfate	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
33213-65-9	Endosulfan II	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
959-98-8	Endosulfan I	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
60-57-1	Dieldrin	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
319-86-8	delta-BHC	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
57-74-9	Chlordane, total	ND	U	ug/L	0.00400	0.00400	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW

Sample Information

Client Sample ID: DUP-1_052313 **York Sample ID:** 13E0868-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 3:00 pm	05/24/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-85-7	beta-BHC	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
319-84-6	alpha-BHC	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
309-00-2	Aldrin	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
50-29-3	4,4'-DDT	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
72-55-9	4,4'-DDE	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
72-54-8	4,4'-DDD	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 11:56	JW
11096-82-5	Aroclor 1260	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 16:34	JW
11097-69-1	Aroclor 1254	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 16:34	JW
12672-29-6	Aroclor 1248	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 16:34	JW
53469-21-9	Aroclor 1242	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 16:34	JW
11141-16-5	Aroclor 1232	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 16:34	JW
11104-28-2	Aroclor 1221	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 16:34	JW
12674-11-2	Aroclor 1016	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 16:34	JW
1336-36-3	Total PCBs	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 16:34	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*39.5 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.3 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**411**		ug/L	10	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-36-0	Antimony	ND	U	ug/L	3	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-38-2	Arsenic	ND	U	ug/L	4	4	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-39-3	Barium	**143**		ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-41-7	Beryllium	ND	U	ug/L	1	1	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-43-9	Cadmium	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-70-2	Calcium	**110000**		ug/L	19	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-47-3	Chromium	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-48-4	Cobalt	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-50-8	Copper	**8**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7439-89-6	Iron	**1450**		ug/L	10	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7439-92-1	Lead	**3**		ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7439-95-4	Magnesium	**20500**		ug/L	10	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW

Sample Information

Client Sample ID: DUP-1_052313 **York Sample ID:** 13E0868-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 3:00 pm	05/24/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	**343**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-02-0	Nickel	ND	U	ug/L	1	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-09-7	Potassium	**11000**		ug/L	26	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7782-49-2	Selenium	ND	U	ug/L	7	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-22-4	Silver	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-23-5	Sodium	**53800**		ug/L	61	100	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-28-0	Thallium	ND	U	ug/L	3	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-62-2	Vanadium	ND	U	ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW
7440-66-6	Zinc	ND	U	ug/L	2	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:17	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	ug/L	0.2	0.2	1	EPA SW846-7470	05/29/2013 13:49	05/30/2013 11:28	AA

Sample Information

Client Sample ID: MW-9_052313 **York Sample ID:** 13E0868-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 8:55 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS

Sample Information

Client Sample ID: MW-9_052313 **York Sample ID:** 13E0868-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 8:55 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
74-83-9	Bromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS

Sample Information

Client Sample ID: MW-9_052313 **York Sample ID:** 13E0868-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 8:55 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
75-09-2	Methylene chloride	**6.3**		ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:18	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*99.5 %*	*81.2-127*

Sample Information

Client Sample ID: MW-9_052313 **York Sample ID:** 13E0868-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 8:55 am	05/24/2013

Semi-Volatiles, 8270 List - low level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0162	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0275	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
62-53-3	Aniline	ND		ug/L	1.58	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
120-12-7	Anthracene	ND		ug/L	0.0179	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0116	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0158	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0285	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.53	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0116	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0195	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.897	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.40	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.99	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.14	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.86	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.58	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.15	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.496	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.32	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.88	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.58	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
218-01-9	Chrysene	ND		ug/L	0.0122	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0418	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
132-64-9	Dibenzofuran	ND		ug/L	2.54	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.16	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.75	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.62	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.33	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.34	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.99	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.69	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.68	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR

Sample Information

Client Sample ID: MW-9_052313 **York Sample ID:** 13E0868-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 8:55 am	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.01	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.71	10.5	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.37	10.5	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.69	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.69	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.18	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
206-44-0	Fluoranthene	ND		ug/L	0.0229	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
86-73-7	Fluorene	ND		ug/L	0.0111	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.34	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	2.94	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.66	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
67-72-1	Hexachloroethane	ND		ug/L	3.20	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0142	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
78-59-1	Isophorone	ND		ug/L	2.82	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	0.0457	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.18	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
95-48-7	2-Methylphenol	ND		ug/L	1.22	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
91-20-3	Naphthalene	ND		ug/L	0.00821	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.82	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.77	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.77	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
98-95-3	Nitrobenzene	ND		ug/L	1.78	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.48	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
100-02-7	4-Nitrophenol	ND		ug/L	1.75	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.69	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.409	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.26	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
87-86-5	Pentachlorophenol	ND		ug/L	1.53	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
85-01-8	Phenanthrene	ND		ug/L	0.0526	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
108-95-2	Phenol	ND		ug/L	1.16	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
129-00-0	Pyrene	ND		ug/L	0.0251	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:20	SR
110-86-1	Pyridine	ND		ug/L	4.12	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR

Sample Information

Client Sample ID: MW-9_052313 **York Sample ID:** 13E0868-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 8:55 am	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.60	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.84	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.01	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 13:48	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*89.3 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*68.4 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*28.1 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*65.9 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*15.6 %*	*10-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*102 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
72-43-5	Methoxychlor	ND	U	ug/L	0.00541	0.00541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
76-44-8	Heptachlor	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
58-89-9	gamma-BHC (Lindane)	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
53494-70-5	Endrin ketone	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
7421-93-4	Endrin aldehyde	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
72-20-8	Endrin	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
1031-07-8	Endosulfan sulfate	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
33213-65-9	Endosulfan II	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
959-98-8	Endosulfan I	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
60-57-1	Dieldrin	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
319-86-8	delta-BHC	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
57-74-9	Chlordane, total	ND	U	ug/L	0.00432	0.00432	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
319-85-7	beta-BHC	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
319-84-6	alpha-BHC	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
309-00-2	Aldrin	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
50-29-3	4,4'-DDT	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
72-55-9	4,4'-DDE	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW
72-54-8	4,4'-DDD	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:11	JW

Sample Information

Client Sample ID: MW-9_052313 **York Sample ID:** 13E0868-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 8:55 am	05/24/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:04	JW
11097-69-1	Aroclor 1254	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:04	JW
12672-29-6	Aroclor 1248	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:04	JW
53469-21-9	Aroclor 1242	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:04	JW
11141-16-5	Aroclor 1232	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:04	JW
11104-28-2	Aroclor 1221	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:04	JW
12674-11-2	Aroclor 1016	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:04	JW
1336-36-3	Total PCBs	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:04	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*36.7 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*49.9 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**78**		ug/L	10	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-36-0	Antimony	ND	U	ug/L	3	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-38-2	Arsenic	ND	U	ug/L	4	4	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-39-3	Barium	**72**		ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-41-7	Beryllium	ND	U	ug/L	1	1	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-43-9	Cadmium	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-70-2	Calcium	**103000**		ug/L	19	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-47-3	Chromium	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-48-4	Cobalt	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-50-8	Copper	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7439-89-6	Iron	**211**		ug/L	10	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7439-92-1	Lead	**3**		ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7439-95-4	Magnesium	**25800**		ug/L	10	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7439-96-5	Manganese	**315**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-02-0	Nickel	ND	U	ug/L	1	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-09-7	Potassium	**12100**		ug/L	26	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7782-49-2	Selenium	ND	U	ug/L	7	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-22-4	Silver	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-23-5	Sodium	**71400**		ug/L	61	100	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW

Sample Information

Client Sample ID: MW-9_052313 **York Sample ID:** 13E0868-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 8:55 am	05/24/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND	U	ug/L	3	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-62-2	Vanadium	ND	U	ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW
7440-66-6	Zinc	**21**		ug/L	2	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:22	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	ug/L	0.2	0.2	1	EPA SW846-7470	05/29/2013 13:49	05/30/2013 11:28	AA

Sample Information

Client Sample ID: MW-6_052313 **York Sample ID:** 13E0868-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 10:00 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS

Sample Information

Client Sample ID: MW-6_052313 **York Sample ID:** 13E0868-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 10:00 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
74-83-9	Bromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
75-09-2	Methylene chloride	**6.2**		ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS

Sample Information

Client Sample ID: MW-6_052313 **York Sample ID:** 13E0868-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 10:00 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 01:58	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.4 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81.2-127*

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0220	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0373	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
62-53-3	Aniline	ND		ug/L	2.14	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
120-12-7	Anthracene	ND		ug/L	0.0243	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0157	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0214	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0387	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.07	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0157	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR

Sample Information

Client Sample ID: MW-6_052313 **York Sample ID:** 13E0868-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 10:00 am	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0264	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.22	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.90	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
106-47-8	4-Chloroaniline	ND		ug/L	4.26	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.53	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.14	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.27	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
117-81-7	Bis(2-ethylhexyl)phthalate	**0.943**	J	ug/L	0.673	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.14	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.50	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
218-01-9	Chrysene	ND		ug/L	0.0166	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0567	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
132-64-9	Dibenzofuran	ND		ug/L	3.44	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.93	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.56	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.73	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.16	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.81	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.66	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.29	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.73	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.31	14.3	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.21	14.3	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.30	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.30	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.60	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
206-44-0	Fluoranthene	ND		ug/L	0.0311	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
86-73-7	Fluorene	ND		ug/L	0.0150	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.81	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR

Sample Information

Client Sample ID: MW-6_052313 **York Sample ID:** 13E0868-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 10:00 am	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	3.99	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.61	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
67-72-1	Hexachloroethane	ND		ug/L	4.34	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0193	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
78-59-1	Isophorone	ND		ug/L	3.83	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	0.0620	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.60	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
95-48-7	2-Methylphenol	ND		ug/L	1.66	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
91-20-3	Naphthalene	ND		ug/L	0.0111	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.83	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.40	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.40	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
98-95-3	Nitrobenzene	ND		ug/L	2.41	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.37	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.37	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.66	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	7.14	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
87-86-5	Pentachlorophenol	ND		ug/L	2.07	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 15:48	SR
85-01-8	Phenanthrene	ND		ug/L	0.0714	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
108-95-2	Phenol	ND		ug/L	1.57	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
129-00-0	Pyrene	ND		ug/L	0.0340	0.0714	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
110-86-1	Pyridine	ND		ug/L	5.59	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.53	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.73	7.14	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:20	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*94.2 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*73.0 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*34.4 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*70.6 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*19.1 %*	*10-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*108 %*	*30-130*

Sample Information

Client Sample ID: MW-6_052313 **York Sample ID:** 13E0868-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 10:00 am	05/24/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
72-43-5	Methoxychlor	ND	U	ug/L	0.00556	0.00556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
76-44-8	Heptachlor	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
58-89-9	gamma-BHC (Lindane)	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
53494-70-5	Endrin ketone	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
7421-93-4	Endrin aldehyde	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
72-20-8	Endrin	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
1031-07-8	Endosulfan sulfate	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
33213-65-9	Endosulfan II	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
959-98-8	Endosulfan I	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
60-57-1	Dieldrin	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
319-86-8	delta-BHC	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
57-74-9	Chlordane, total	ND	U	ug/L	0.00444	0.00444	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
319-85-7	beta-BHC	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
319-84-6	alpha-BHC	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
309-00-2	Aldrin	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
50-29-3	4,4'-DDT	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
72-55-9	4,4'-DDE	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
72-54-8	4,4'-DDD	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:26	JW
11096-82-5	Aroclor 1260	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:33	JW
11097-69-1	Aroclor 1254	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:33	JW
12672-29-6	Aroclor 1248	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:33	JW
53469-21-9	Aroclor 1242	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:33	JW
11141-16-5	Aroclor 1232	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:33	JW
11104-28-2	Aroclor 1221	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:33	JW
12674-11-2	Aroclor 1016	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:33	JW
1336-36-3	Total PCBs	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 17:33	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*30.7 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*44.7 %*	*30-150*

Sample Information

Client Sample ID: MW-6_052313 **York Sample ID:** 13E0868-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 10:00 am	05/24/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**259**		ug/L	10	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-36-0	Antimony	ND	U	ug/L	3	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-38-2	Arsenic	ND	U	ug/L	4	4	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-39-3	Barium	**79**		ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-41-7	Beryllium	ND	U	ug/L	1	1	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-43-9	Cadmium	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-70-2	Calcium	**87000**		ug/L	19	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-47-3	Chromium	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-48-4	Cobalt	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-50-8	Copper	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7439-89-6	Iron	**529**		ug/L	10	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7439-92-1	Lead	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7439-95-4	Magnesium	**26700**		ug/L	10	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7439-96-5	Manganese	**352**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-02-0	Nickel	**6**		ug/L	1	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-09-7	Potassium	**13200**		ug/L	26	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7782-49-2	Selenium	ND	U	ug/L	7	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-22-4	Silver	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-23-5	Sodium	**47200**		ug/L	61	100	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-28-0	Thallium	ND	U	ug/L	3	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-62-2	Vanadium	ND	U	ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW
7440-66-6	Zinc	ND	U	ug/L	2	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:27	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	ug/L	0.2	0.2	1	EPA SW846-7470	05/29/2013 13:49	05/30/2013 11:28	AA

Sample Information

Client Sample ID: MW-7_052313 **York Sample ID:** 13E0868-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 1:30 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: MW-7_052313 **York Sample ID:** 13E0868-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 1:30 pm	05/24/2013

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
74-83-9	Bromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS

Sample Information

Client Sample ID: MW-7_052313 **York Sample ID:** 13E0868-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 1:30 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
75-09-2	Methylene chloride	**7.3**		ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 02:37	SS

Sample Information

Client Sample ID: MW-7_052313 **York Sample ID:** 13E0868-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 1:30 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**			**Acceptance Range**						
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*			*72.6-129*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.4 %*			*63.5-145*						
2037-26-5	*Surrogate: Toluene-d8*	*99.7 %*			*81.2-127*						

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0187	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0316	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
62-53-3	Aniline	ND		ug/L	1.82	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
120-12-7	Anthracene	ND		ug/L	0.0206	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0133	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0182	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0328	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.76	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0133	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0224	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.03	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.61	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.29	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.61	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.15	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.82	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.62	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.571	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.67	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.17	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.97	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
218-01-9	Chrysene	ND		ug/L	0.0141	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0481	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
132-64-9	Dibenzofuran	ND		ug/L	2.92	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.48	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.02	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR

Sample Information

Client Sample ID: MW-7_052313 **York Sample ID:** 13E0868-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 1:30 pm	05/24/2013

Semi-Volatiles, 8270 List - low level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.16	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.68	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.54	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.29	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.10	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.94	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.32	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.96	12.1	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.73	12.1	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.95	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.95	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.36	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
206-44-0	Fluoranthene	ND		ug/L	0.0264	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
86-73-7	Fluorene	ND		ug/L	0.0127	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.54	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.38	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.07	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
67-72-1	Hexachloroethane	ND		ug/L	3.68	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0164	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
78-59-1	Isophorone	ND		ug/L	3.25	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	0.0526	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.36	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
95-48-7	2-Methylphenol	ND		ug/L	1.41	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
91-20-3	Naphthalene	ND		ug/L	0.00945	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.25	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.04	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.04	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
98-95-3	Nitrobenzene	ND		ug/L	2.05	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.86	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.01	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.10	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.472	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR

Sample Information

Client Sample ID: MW-7_052313 **York Sample ID:** 13E0868-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 1:30 pm	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	6.06	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
87-86-5	Pentachlorophenol	ND		ug/L	1.76	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
85-01-8	Phenanthrene	ND		ug/L	0.0606	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
108-95-2	Phenol	ND		ug/L	1.33	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
129-00-0	Pyrene	ND		ug/L	0.0288	0.0606	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:17	SR
110-86-1	Pyridine	ND		ug/L	4.74	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.99	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.12	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.32	6.06	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 14:51	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*85.3 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*65.3 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*26.1 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*60.7 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*14.3 %*	*10-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*92.4 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
72-43-5	Methoxychlor	ND	U	ug/L	0.00500	0.00500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
76-44-8	Heptachlor	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
58-89-9	gamma-BHC (Lindane)	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
53494-70-5	Endrin ketone	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
7421-93-4	Endrin aldehyde	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
72-20-8	Endrin	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
1031-07-8	Endosulfan sulfate	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
33213-65-9	Endosulfan II	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
959-98-8	Endosulfan I	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
60-57-1	Dieldrin	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
319-86-8	delta-BHC	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
57-74-9	Chlordane, total	ND	U	ug/L	0.00400	0.00400	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW

Sample Information

Client Sample ID: MW-7_052313 **York Sample ID:** 13E0868-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 1:30 pm	05/24/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-85-7	beta-BHC	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
319-84-6	alpha-BHC	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
309-00-2	Aldrin	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
50-29-3	4,4'-DDT	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
72-55-9	4,4'-DDE	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
72-54-8	4,4'-DDD	ND	U	ug/L	0.00100	0.00100	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:41	JW
11096-82-5	Aroclor 1260	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:02	JW
11097-69-1	Aroclor 1254	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:02	JW
12672-29-6	Aroclor 1248	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:02	JW
53469-21-9	Aroclor 1242	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:02	JW
11141-16-5	Aroclor 1232	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:02	JW
11104-28-2	Aroclor 1221	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:02	JW
12674-11-2	Aroclor 1016	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:02	JW
1336-36-3	Total PCBs	ND	U	ug/L	0.0500	0.0500	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:02	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*36.2 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.2 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**1180**		ug/L	10	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-36-0	Antimony	ND	U	ug/L	3	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-38-2	Arsenic	ND	U	ug/L	4	4	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-39-3	Barium	**165**		ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-41-7	Beryllium	ND	U	ug/L	1	1	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-43-9	Cadmium	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-70-2	Calcium	**110000**		ug/L	19	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-47-3	Chromium	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-48-4	Cobalt	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-50-8	Copper	**10**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7439-89-6	Iron	**4060**		ug/L	10	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7439-92-1	Lead	**4**		ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7439-95-4	Magnesium	**21000**		ug/L	10	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW

Sample Information

Client Sample ID: MW-7_052313 **York Sample ID:** 13E0868-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 1:30 pm	05/24/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	**351**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-02-0	Nickel	ND	U	ug/L	1	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-09-7	Potassium	**11500**		ug/L	26	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7782-49-2	Selenium	ND	U	ug/L	7	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-22-4	Silver	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-23-5	Sodium	**53200**		ug/L	61	100	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-28-0	Thallium	ND	U	ug/L	3	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-62-2	Vanadium	ND	U	ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW
7440-66-6	Zinc	**25**		ug/L	2	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:32	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	ug/L	0.2	0.2	1	EPA SW846-7470	05/29/2013 13:49	05/30/2013 11:28	AA

Sample Information

Client Sample ID: MW-3_052313 **York Sample ID:** 13E0868-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 12:20 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS

Sample Information

Client Sample ID: MW-3_052313 **York Sample ID:** 13E0868-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 12:20 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
74-83-9	Bromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS

Sample Information

Client Sample ID: MW-3_052313 **York Sample ID:** 13E0868-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 12:20 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
75-09-2	Methylene chloride	**7.2**		ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:17	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.7 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81.2-127*

Sample Information

Client Sample ID: MW-3_052313 **York Sample ID:** 13E0868-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 12:20 pm	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0176	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0298	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
62-53-3	Aniline	ND		ug/L	1.71	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
120-12-7	Anthracene	ND		ug/L	0.0194	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0126	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0171	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0310	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.66	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0126	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0211	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.974	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.52	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.16	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.41	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.02	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.71	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.42	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
117-81-7	Bis(2-ethylhexyl)phthalate	**0.640**	J	ug/L	0.538	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.51	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.05	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.80	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
218-01-9	Chrysene	ND		ug/L	0.0133	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0454	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
132-64-9	Dibenzofuran	ND		ug/L	2.75	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.34	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.98	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.85	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.53	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.45	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.16	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.93	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.83	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR

Sample Information

Client Sample ID: MW-3_052313 **York Sample ID:** 13E0868-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 12:20 pm	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.18	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.85	11.4	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.57	11.4	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.84	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.84	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.28	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
206-44-0	Fluoranthene	ND		ug/L	0.0249	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
86-73-7	Fluorene	ND		ug/L	0.0120	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.45	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.19	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.89	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
67-72-1	Hexachloroethane	ND		ug/L	3.47	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0154	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
78-59-1	Isophorone	ND		ug/L	3.06	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	0.0496	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.28	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
95-48-7	2-Methylphenol	ND		ug/L	1.33	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
91-20-3	Naphthalene	ND		ug/L	0.00891	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.06	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
98-95-3	Nitrobenzene	ND		ug/L	1.93	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
100-02-7	4-Nitrophenol	ND		ug/L	1.90	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.93	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.445	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.71	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
87-86-5	Pentachlorophenol	ND		ug/L	1.66	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
85-01-8	Phenanthrene	ND		ug/L	0.0571	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
108-95-2	Phenol	ND		ug/L	1.26	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
129-00-0	Pyrene	ND		ug/L	0.0272	0.0571	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 16:45	SR
110-86-1	Pyridine	ND		ug/L	4.47	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR

Sample Information

Client Sample ID: MW-3_052313 **York Sample ID:** 13E0868-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 12:20 pm	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.82	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.00	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.18	5.71	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:22	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*95.1 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*71.7 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*31.4 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*66.3 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*17.9 %*	*10-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*97.1 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
72-43-5	Methoxychlor	ND	U	ug/L	0.00541	0.00541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
76-44-8	Heptachlor	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
58-89-9	gamma-BHC (Lindane)	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
53494-70-5	Endrin ketone	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
7421-93-4	Endrin aldehyde	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
72-20-8	Endrin	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
1031-07-8	Endosulfan sulfate	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
33213-65-9	Endosulfan II	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
959-98-8	Endosulfan I	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
60-57-1	Dieldrin	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
319-86-8	delta-BHC	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
57-74-9	Chlordane, total	ND	U	ug/L	0.00432	0.00432	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
319-85-7	beta-BHC	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
319-84-6	alpha-BHC	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
309-00-2	Aldrin	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
50-29-3	4,4'-DDT	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
72-55-9	4,4'-DDE	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW
72-54-8	4,4'-DDD	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 12:57	JW

Sample Information

Client Sample ID: MW-3_052313 **York Sample ID:** 13E0868-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 12:20 pm	05/24/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:32	JW
11097-69-1	Aroclor 1254	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:32	JW
12672-29-6	Aroclor 1248	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:32	JW
53469-21-9	Aroclor 1242	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:32	JW
11141-16-5	Aroclor 1232	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:32	JW
11104-28-2	Aroclor 1221	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:32	JW
12674-11-2	Aroclor 1016	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:32	JW
1336-36-3	Total PCBs	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 18:32	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*33.3 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*38.0 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND	U	ug/L	10	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-36-0	Antimony	ND	U	ug/L	3	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-38-2	Arsenic	ND	U	ug/L	4	4	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-39-3	Barium	**255**		ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-41-7	Beryllium	ND	U	ug/L	1	1	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-43-9	Cadmium	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-70-2	Calcium	**111000**		ug/L	19	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-47-3	Chromium	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-48-4	Cobalt	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-50-8	Copper	**12**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7439-89-6	Iron	**52**		ug/L	10	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7439-92-1	Lead	**4**		ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7439-95-4	Magnesium	**17000**		ug/L	10	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7439-96-5	Manganese	**293**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-02-0	Nickel	**7**		ug/L	1	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-09-7	Potassium	**11000**		ug/L	26	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7782-49-2	Selenium	ND	U	ug/L	7	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-22-4	Silver	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-23-5	Sodium	**124000**		ug/L	61	100	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW

Sample Information

Client Sample ID: MW-3_052313 **York Sample ID:** 13E0868-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 12:20 pm	05/24/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND	U	ug/L	3	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-62-2	Vanadium	ND	U	ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW
7440-66-6	Zinc	**50**		ug/L	2	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:49	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	ug/L	0.2	0.2	1	EPA SW846-7470	05/29/2013 13:49	05/30/2013 11:28	AA

Sample Information

Client Sample ID: MW-10_052313 **York Sample ID:** 13E0868-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 4:20 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS

Sample Information

Client Sample ID: MW-10_052313 **York Sample ID:** 13E0868-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 4:20 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
74-83-9	Bromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
75-09-2	Methylene chloride	**5.9**		ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS

Sample Information

Client Sample ID: MW-10_052313 **York Sample ID:** 13E0868-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 4:20 pm	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 03:57	SS

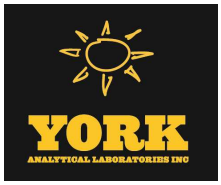
	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.5 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81.2-127*

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0205	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0348	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
62-53-3	Aniline	ND		ug/L	2.00	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
120-12-7	Anthracene	ND		ug/L	0.0227	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0147	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0200	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0361	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.93	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0147	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR



Sample Information

Client Sample ID: MW-10_052313 **York Sample ID:** 13E0868-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 4:20 pm	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0247	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.14	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.77	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.52	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.97	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.36	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.00	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.99	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.628	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.93	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.39	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.27	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
218-01-9	Chrysene	ND		ug/L	0.0155	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0529	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
132-64-9	Dibenzofuran	ND		ug/L	3.21	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.73	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.48	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.32	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.95	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.69	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.52	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.41	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.13	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.55	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.16	13.3	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.00	13.3	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.15	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.15	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.49	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
206-44-0	Fluoranthene	ND		ug/L	0.0291	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
86-73-7	Fluorene	ND		ug/L	0.0140	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.69	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR

Sample Information

Client Sample ID: MW-10_052313 **York Sample ID:** 13E0868-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 4:20 pm	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	3.72	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.37	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
67-72-1	Hexachloroethane	ND		ug/L	4.05	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0180	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
78-59-1	Isophorone	ND		ug/L	3.57	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	0.0579	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.49	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
95-48-7	2-Methylphenol	ND		ug/L	1.55	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
91-20-3	Naphthalene	ND		ug/L	0.0104	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.57	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.24	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.24	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
98-95-3	Nitrobenzene	ND		ug/L	2.25	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.15	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.21	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.41	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.519	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	6.67	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
87-86-5	Pentachlorophenol	ND		ug/L	1.93	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
85-01-8	Phenanthrene	ND		ug/L	0.0667	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
108-95-2	Phenol	ND		ug/L	1.47	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
129-00-0	Pyrene	ND		ug/L	0.0317	0.0667	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:14	SR
110-86-1	Pyridine	ND		ug/L	5.21	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.29	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.33	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.55	6.67	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 15:53	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*79.8 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*68.1 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*29.6 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*61.9 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*17.1 %*	*10-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*85.8 %*	*30-130*

Sample Information

Client Sample ID: MW-10_052313 **York Sample ID:** 13E0868-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 4:20 pm	05/24/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
72-43-5	Methoxychlor	ND	U	ug/L	0.00556	0.00556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
76-44-8	Heptachlor	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
58-89-9	gamma-BHC (Lindane)	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
53494-70-5	Endrin ketone	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
7421-93-4	Endrin aldehyde	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
72-20-8	Endrin	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
1031-07-8	Endosulfan sulfate	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
33213-65-9	Endosulfan II	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
959-98-8	Endosulfan I	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
60-57-1	Dieldrin	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
319-86-8	delta-BHC	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
57-74-9	Chlordane, total	ND	U	ug/L	0.00444	0.00444	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
319-85-7	beta-BHC	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
319-84-6	alpha-BHC	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
309-00-2	Aldrin	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
50-29-3	4,4'-DDT	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
72-55-9	4,4'-DDE	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
72-54-8	4,4'-DDD	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:12	JW
11096-82-5	Aroclor 1260	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:01	JW
11097-69-1	Aroclor 1254	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:01	JW
12672-29-6	Aroclor 1248	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:01	JW
53469-21-9	Aroclor 1242	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:01	JW
11141-16-5	Aroclor 1232	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:01	JW
11104-28-2	Aroclor 1221	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:01	JW
12674-11-2	Aroclor 1016	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:01	JW
1336-36-3	Total PCBs	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:01	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*45.9 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.2 %*	*30-150*

Sample Information

Client Sample ID: MW-10_052313 **York Sample ID:** 13E0868-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 23, 2013 4:20 pm	05/24/2013

Metals, Target Analyte **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**46**		ug/L	10	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-36-0	Antimony	ND	U	ug/L	3	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-38-2	Arsenic	ND	U	ug/L	4	4	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-39-3	Barium	**66**		ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-41-7	Beryllium	ND	U	ug/L	1	1	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-43-9	Cadmium	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-70-2	Calcium	**87700**		ug/L	19	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-47-3	Chromium	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-48-4	Cobalt	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-50-8	Copper	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7439-89-6	Iron	**22**		ug/L	10	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7439-92-1	Lead	**7**		ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7439-95-4	Magnesium	**22300**		ug/L	10	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7439-96-5	Manganese	**706**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-02-0	Nickel	**6**		ug/L	1	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-09-7	Potassium	**8280**		ug/L	26	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7782-49-2	Selenium	ND	U	ug/L	7	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-22-4	Silver	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-23-5	Sodium	**332000**		ug/L	61	100	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-28-0	Thallium	ND	U	ug/L	3	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-62-2	Vanadium	ND	U	ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW
7440-66-6	Zinc	**39**		ug/L	2	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:54	MW

Mercury by 7470/7471 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	ug/L	0.2	0.2	1	EPA SW846-7470	05/29/2013 13:49	05/30/2013 11:28	AA

Sample Information

Client Sample ID: TRC-MW-3_052413 **York Sample ID:** 13E0868-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 10:20 am	05/24/2013

Volatile Organics, 8260 List **Log-in Notes:** **Sample Notes:**

Sample Information

Client Sample ID: TRC-MW-3_052413 **York Sample ID:** 13E0868-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 10:20 am	05/24/2013

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
74-83-9	Bromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS

Sample Information

Client Sample ID: TRC-MW-3_052413 **York Sample ID:** 13E0868-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 10:20 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
75-09-2	Methylene chloride	**6.1**		ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 04:36	SS

Sample Information

Client Sample ID: TRC-MW-3_052413 **York Sample ID:** 13E0868-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 10:20 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**			**Acceptance Range**						
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*			*72.6-129*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*			*63.5-145*						
2037-26-5	*Surrogate: Toluene-d8*	*102 %*			*81.2-127*						

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0171	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0290	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
62-53-3	Aniline	ND		ug/L	1.67	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
120-12-7	Anthracene	ND		ug/L	0.0189	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0122	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0167	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0301	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.61	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0122	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0206	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.947	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.48	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.10	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.31	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.97	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.67	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.32	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.523	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.44	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.99	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.72	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
218-01-9	Chrysene	ND		ug/L	0.0129	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0441	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
132-64-9	Dibenzofuran	ND		ug/L	2.68	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.28	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.77	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR

Sample Information

Client Sample ID: TRC-MW-3_052413 **York Sample ID:** 13E0868-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 10:20 am	05/24/2013

Semi-Volatiles, 8270 List - low level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.90	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.46	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.41	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.10	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.84	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.78	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.12	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.80	11.1	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	11.1	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.79	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.79	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.24	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
206-44-0	Fluoranthene	ND		ug/L	0.0242	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
86-73-7	Fluorene	ND		ug/L	0.0117	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.41	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.10	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.81	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
67-72-1	Hexachloroethane	ND		ug/L	3.38	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0150	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
78-59-1	Isophorone	ND		ug/L	2.98	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	0.0482	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.24	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
95-48-7	2-Methylphenol	ND		ug/L	1.29	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
91-20-3	Naphthalene	ND		ug/L	0.00867	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.98	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.87	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.87	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
98-95-3	Nitrobenzene	ND		ug/L	1.88	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.62	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
100-02-7	4-Nitrophenol	ND		ug/L	1.84	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.84	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.432	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR

Sample Information

Client Sample ID: TRC-MW-3_052413 **York Sample ID:** 13E0868-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 10:20 am	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.56	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
87-86-5	Pentachlorophenol	ND		ug/L	1.61	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
85-01-8	Phenanthrene	ND		ug/L	0.0556	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
108-95-2	Phenol	ND		ug/L	1.22	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
129-00-0	Pyrene	ND		ug/L	0.0264	0.0556	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 17:42	SR
110-86-1	Pyridine	ND		ug/L	4.34	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.74	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.94	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.12	5.56	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:25	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*67.5 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*57.8 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*25.8 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*54.9 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*14.3 %*	*10-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*89.6 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
72-43-5	Methoxychlor	ND	U	ug/L	0.00556	0.00556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
76-44-8	Heptachlor	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
58-89-9	gamma-BHC (Lindane)	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
53494-70-5	Endrin ketone	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
7421-93-4	Endrin aldehyde	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
72-20-8	Endrin	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
1031-07-8	Endosulfan sulfate	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
33213-65-9	Endosulfan II	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
959-98-8	Endosulfan I	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
60-57-1	Dieldrin	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
319-86-8	delta-BHC	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
57-74-9	Chlordane, total	ND	U	ug/L	0.00444	0.00444	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW

Sample Information

Client Sample ID: TRC-MW-3_052413 **York Sample ID:** 13E0868-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 10:20 am	05/24/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-85-7	beta-BHC	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
319-84-6	alpha-BHC	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
309-00-2	Aldrin	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
50-29-3	4,4'-DDT	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
72-55-9	4,4'-DDE	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
72-54-8	4,4'-DDD	ND	U	ug/L	0.00111	0.00111	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:27	JW
11096-82-5	Aroclor 1260	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:30	JW
11097-69-1	Aroclor 1254	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:30	JW
12672-29-6	Aroclor 1248	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:30	JW
53469-21-9	Aroclor 1242	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:30	JW
11141-16-5	Aroclor 1232	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:30	JW
11104-28-2	Aroclor 1221	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:30	JW
12674-11-2	Aroclor 1016	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:30	JW
1336-36-3	Total PCBs	ND	U	ug/L	0.0556	0.0556	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 19:30	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*31.2 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.0 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	**32**		ug/L	10	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-36-0	Antimony	ND	U	ug/L	3	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-38-2	Arsenic	ND	U	ug/L	4	4	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-39-3	Barium	**60**		ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-41-7	Beryllium	ND	U	ug/L	1	1	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-43-9	Cadmium	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-70-2	Calcium	**82000**		ug/L	19	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-47-3	Chromium	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-48-4	Cobalt	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-50-8	Copper	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7439-89-6	Iron	**77**		ug/L	10	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7439-92-1	Lead	**4**		ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7439-95-4	Magnesium	**21600**		ug/L	10	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW

Sample Information

Client Sample ID: TRC-MW-3_052413 **York Sample ID:** 13E0868-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 10:20 am	05/24/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	**44**		ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-02-0	Nickel	ND	U	ug/L	1	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-09-7	Potassium	**7890**		ug/L	26	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7782-49-2	Selenium	ND	U	ug/L	7	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-22-4	Silver	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-23-5	Sodium	**326000**		ug/L	61	100	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-28-0	Thallium	ND	U	ug/L	3	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-62-2	Vanadium	ND	U	ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW
7440-66-6	Zinc	**20**		ug/L	2	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 11:59	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	ug/L	0.2	0.2	1	EPA SW846-7470	05/29/2013 13:49	05/30/2013 11:28	AA

Sample Information

Client Sample ID: FB_052413 **York Sample ID:** 13E0868-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 9:20 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
71-55-6	1,1,1-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
79-00-5	1,1,2-Trichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
75-34-3	1,1-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
75-35-4	1,1-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
563-58-6	1,1-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
96-18-4	1,2,3-Trichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS

Sample Information

Client Sample ID: FB_052413 **York Sample ID:** 13E0868-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 9:20 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
106-93-4	1,2-Dibromoethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
95-50-1	1,2-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
107-06-2	1,2-Dichloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
78-87-5	1,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
541-73-1	1,3-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
142-28-9	1,3-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
594-20-7	2,2-Dichloropropane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
78-93-3	2-Butanone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
95-49-8	2-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
106-43-4	4-Chlorotoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
67-64-1	Acetone	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
71-43-2	Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
108-86-1	Bromobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
74-97-5	Bromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
75-27-4	Bromodichloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
75-25-2	Bromoform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
74-83-9	Bromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
56-23-5	Carbon tetrachloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
108-90-7	Chlorobenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
75-00-3	Chloroethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
67-66-3	Chloroform	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
74-87-3	Chloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
124-48-1	Dibromochloromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
74-95-3	Dibromomethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
75-71-8	Dichlorodifluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
100-41-4	Ethyl Benzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS

Sample Information

Client Sample ID: FB_052413 **York Sample ID:** 13E0868-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 9:20 am	05/24/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
98-82-8	Isopropylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
75-09-2	Methylene chloride	**7.2**		ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
91-20-3	Naphthalene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
104-51-8	n-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
103-65-1	n-Propylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
95-47-6	o-Xylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
179601-23-1	p- & m- Xylenes	ND	U	ug/L	5.0	10	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
99-87-6	p-Isopropyltoluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
135-98-8	sec-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
100-42-5	Styrene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
98-06-6	tert-Butylbenzene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
127-18-4	Tetrachloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
108-88-3	Toluene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
79-01-6	Trichloroethylene	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
75-69-4	Trichlorofluoromethane	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
75-01-4	Vinyl Chloride	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
1330-20-7	Xylenes, Total	ND	U	ug/L	7.5	15	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS
108-05-4	Vinyl acetate	ND	U	ug/L	2.5	5.0	1	EPA SW846-8260B	05/28/2013 12:55	05/29/2013 05:16	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.6 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*101 %*	*81.2-127*

Sample Information

Client Sample ID: FB_052413 **York Sample ID:** 13E0868-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 9:20 am	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0162	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0275	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
62-53-3	Aniline	ND		ug/L	1.58	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
120-12-7	Anthracene	ND		ug/L	0.0179	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0116	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0158	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0285	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.53	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0116	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0195	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.897	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.40	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.99	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.14	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.86	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.58	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.15	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.496	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.32	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.88	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.58	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
218-01-9	Chrysene	ND		ug/L	0.0122	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0418	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
132-64-9	Dibenzofuran	ND		ug/L	2.54	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.16	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.62	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.75	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.33	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.34	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.99	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.69	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.68	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR

Sample Information

Client Sample ID: FB_052413 **York Sample ID:** 13E0868-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 9:20 am	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.01	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.71	10.5	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.37	10.5	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.69	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.69	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.18	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
206-44-0	Fluoranthene	ND		ug/L	0.0229	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
86-73-7	Fluorene	ND		ug/L	0.0111	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.34	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	2.94	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.66	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
67-72-1	Hexachloroethane	ND		ug/L	3.20	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0142	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
78-59-1	Isophorone	ND		ug/L	2.82	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	0.0457	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.18	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
95-48-7	2-Methylphenol	ND		ug/L	1.22	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
91-20-3	Naphthalene	ND		ug/L	0.00821	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.82	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.77	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.77	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
98-95-3	Nitrobenzene	ND		ug/L	1.78	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.48	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
100-02-7	4-Nitrophenol	ND		ug/L	1.75	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.69	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.409	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.26	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
87-86-5	Pentachlorophenol	ND		ug/L	1.53	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
85-01-8	Phenanthrene	ND		ug/L	0.0526	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
108-95-2	Phenol	ND		ug/L	1.16	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
129-00-0	Pyrene	ND		ug/L	0.0251	0.0526	1	EPA SW-846 8270C	05/29/2013 09:10	05/29/2013 18:11	SR
110-86-1	Pyridine	ND		ug/L	4.12	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR

Sample Information

Client Sample ID: FB_052413 **York Sample ID:** 13E0868-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 9:20 am	05/24/2013

Semi-Volatiles, 8270 List - low level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.60	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.84	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.01	5.26	1	EPA SW-846 8270C	05/29/2013 09:10	05/30/2013 16:56	SR

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*79.5 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*67.6 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*25.9 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*62.6 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*13.7 %*	*10-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*89.5 %*	*30-130*

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
72-43-5	Methoxychlor	ND	U	ug/L	0.00541	0.00541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
76-44-8	Heptachlor	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
58-89-9	gamma-BHC (Lindane)	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
53494-70-5	Endrin ketone	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
7421-93-4	Endrin aldehyde	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
72-20-8	Endrin	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
1031-07-8	Endosulfan sulfate	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
33213-65-9	Endosulfan II	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
959-98-8	Endosulfan I	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
60-57-1	Dieldrin	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
319-86-8	delta-BHC	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
57-74-9	Chlordane, total	ND	U	ug/L	0.00432	0.00432	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
319-85-7	beta-BHC	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
319-84-6	alpha-BHC	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
309-00-2	Aldrin	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
50-29-3	4,4'-DDT	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
72-55-9	4,4'-DDE	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW
72-54-8	4,4'-DDD	ND	U	ug/L	0.00108	0.00108	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/31/2013 13:42	JW

Sample Information

Client Sample ID: FB_052413 **York Sample ID:** 13E0868-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 9:20 am	05/24/2013

Pesticides/PCBs, EPA 8081/8082 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 20:00	JW
11097-69-1	Aroclor 1254	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 20:00	JW
12672-29-6	Aroclor 1248	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 20:00	JW
53469-21-9	Aroclor 1242	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 20:00	JW
11141-16-5	Aroclor 1232	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 20:00	JW
11104-28-2	Aroclor 1221	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 20:00	JW
12674-11-2	Aroclor 1016	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 20:00	JW
1336-36-3	Total PCBs	ND	U	ug/L	0.0541	0.0541	1	EPA SW 846-8081/8082	05/29/2013 06:17	05/30/2013 20:00	JW

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*45.4 %*	*30-150*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*49.6 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND	U	ug/L	10	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-36-0	Antimony	ND	U	ug/L	3	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-38-2	Arsenic	ND	U	ug/L	4	4	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-39-3	Barium	ND	U	ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-41-7	Beryllium	ND	U	ug/L	1	1	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-43-9	Cadmium	ND	U	ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-70-2	Calcium	**295**		ug/L	19	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-47-3	Chromium	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-48-4	Cobalt	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-50-8	Copper	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7439-89-6	Iron	ND	U	ug/L	10	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7439-92-1	Lead	**4**		ug/L	2	3	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7439-95-4	Magnesium	ND	U	ug/L	10	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7439-96-5	Manganese	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-02-0	Nickel	ND	U	ug/L	1	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-09-7	Potassium	ND	U	ug/L	26	50	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7782-49-2	Selenium	ND	U	ug/L	7	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-22-4	Silver	ND	U	ug/L	2	5	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-23-5	Sodium	**214**		ug/L	61	100	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW

Sample Information

Client Sample ID: FB_052413 **York Sample ID:** 13E0868-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13E0868	170246501	Water	May 24, 2013 9:20 am	05/24/2013

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND	U	ug/L	3	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-62-2	Vanadium	ND	U	ug/L	2	10	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW
7440-66-6	Zinc	**36**		ug/L	2	20	1	EPA SW846-6010B/EPA 200.7	05/30/2013 08:02	05/30/2013 12:04	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7470

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND	U	ug/L	0.2	0.2	1	EPA SW846-7470	05/29/2013 13:49	05/30/2013 11:28	AA

Analytical Batch Summary

Batch ID: BE31237 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13E0868-01	MW-8_052313	05/28/13
13E0868-02	DUP-1_052313	05/28/13
13E0868-03	MW-9_052313	05/28/13
13E0868-04	MW-6_052313	05/28/13
13E0868-05	MW-7_052313	05/28/13
13E0868-06	MW-3_052313	05/28/13
13E0868-07	MW-10_052313	05/28/13
13E0868-08	TRC-MW-3_052413	05/28/13
13E0868-09	FB_052413	05/28/13
BE31237-BLK1	Blank	05/28/13
BE31237-BS1	LCS	05/28/13
BE31237-BSD1	LCS Dup	05/28/13

Batch ID: BE31258 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TFD

YORK Sample ID	Client Sample ID	Preparation Date
13E0868-01	MW-8_052313	05/29/13
13E0868-02	DUP-1_052313	05/29/13
13E0868-03	MW-9_052313	05/29/13
13E0868-04	MW-6_052313	05/29/13
13E0868-05	MW-7_052313	05/29/13
13E0868-06	MW-3_052313	05/29/13
13E0868-07	MW-10_052313	05/29/13
13E0868-08	TRC-MW-3_052413	05/29/13
13E0868-09	FB_052413	05/29/13
BE31258-BLK1	Blank	05/29/13
BE31258-BLK1	Blank	05/29/13
BE31258-BS1	LCS	05/29/13
BE31258-BS2	LCS	05/29/13
BE31258-BS2	LCS	05/29/13
BE31258-BSD2	LCS Dup	05/29/13
BE31258-BSD2	LCS Dup	05/29/13

Batch ID: BE31278 **Preparation Method:** EPA 3510C **Prepared By:** KAM

YORK Sample ID	Client Sample ID	Preparation Date
13E0868-01	MW-8_052313	05/29/13
13E0868-02	DUP-1_052313	05/29/13
13E0868-03	MW-9_052313	05/29/13
13E0868-04	MW-6_052313	05/29/13
13E0868-05	MW-7_052313	05/29/13
13E0868-06	MW-3_052313	05/29/13
13E0868-07	MW-10_052313	05/29/13
13E0868-08	TRC-MW-3_052413	05/29/13
13E0868-09	FB_052413	05/29/13
BE31278-BLK1	Blank	05/29/13

BE31278-BS1	LCS	05/29/13
BE31278-BS2	LCS	05/29/13

Batch ID: BE31297 **Preparation Method:** EPA SW846-7470 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13E0868-01	MW-8_052313	05/29/13
13E0868-02	DUP-1_052313	05/29/13
13E0868-03	MW-9_052313	05/29/13
13E0868-04	MW-6_052313	05/29/13
13E0868-05	MW-7_052313	05/29/13
13E0868-06	MW-3_052313	05/29/13
13E0868-07	MW-10_052313	05/29/13
13E0868-08	TRC-MW-3_052413	05/29/13
13E0868-09	FB_052413	05/29/13
BE31297-BLK1	Blank	05/29/13
BE31297-BS1	LCS	05/29/13

Batch ID: BE31367 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13E0868-01	MW-8_052313	05/30/13
13E0868-02	DUP-1_052313	05/30/13
13E0868-03	MW-9_052313	05/30/13
13E0868-04	MW-6_052313	05/30/13
13E0868-05	MW-7_052313	05/30/13
13E0868-06	MW-3_052313	05/30/13
13E0868-07	MW-10_052313	05/30/13
13E0868-08	TRC-MW-3_052413	05/30/13
13E0868-09	FB_052413	05/30/13
BE31367-BLK1	Blank	05/30/13
BE31367-DUP1	Duplicate	05/30/13
BE31367-MS1	Matrix Spike	05/30/13
BE31367-SRM1	Reference	05/30/13
BE31367-SRM2	Reference	05/30/13

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31237 - EPA 5030B											
Blank (BE31237-BLK1)											Prepared & Analyzed: 05/28/2013
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	5.0	"								
Naphthalene	2.7	5.0	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31237 - EPA 5030B											
Blank (BE31237-BLK1)								Prepared & Analyzed: 05/28/2013			
p- & m- Xylenes	ND	10	ug/L								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Vinyl acetate	ND	5.0	"								
Surrogate: 1,2-Dichloroethane-d4	*47.8*		*"*	*50.0*		*95.7*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*49.4*		*"*	*50.0*		*98.9*	*63.5-145*				
Surrogate: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*81.2-127*				
LCS (BE31237-BS1)								Prepared & Analyzed: 05/28/2013			
1,1,1,2-Tetrachloroethane	47		ug/L	50.0		93.8	82.3-130				
1,1,1-Trichloroethane	46		"	50.0		92.1	75.6-137				
1,1,2,2-Tetrachloroethane	53		"	50.0		105	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47		"	50.0		94.3	71.1-129				
1,1,2-Trichloroethane	49		"	50.0		97.5	74.5-129				
1,1-Dichloroethane	46		"	50.0		91.5	79.6-132				
1,1-Dichloroethylene	43		"	50.0		85.7	80.2-146				
1,1-Dichloropropylene	45		"	50.0		90.0	75-136				
1,2,3-Trichlorobenzene	45		"	50.0		91.0	66.1-136				
1,2,3-Trichloropropane	49		"	50.0		98.9	63-131				
1,2,4-Trichlorobenzene	45		"	50.0		89.8	70.6-136				
1,2,4-Trimethylbenzene	45		"	50.0		90.0	75.3-135				
1,2-Dibromo-3-chloropropane	63		"	50.0		126	58.9-140				
1,2-Dibromoethane	51		"	50.0		102	79-130				
1,2-Dichlorobenzene	47		"	50.0		93.2	76.1-122				
1,2-Dichloroethane	48		"	50.0		96.2	74.6-132				
1,2-Dichloropropane	51		"	50.0		103	76.9-129				
1,3,5-Trimethylbenzene	46		"	50.0		92.7	70.6-127				
1,3-Dichlorobenzene	46		"	50.0		91.7	77-124				
1,3-Dichloropropane	50		"	50.0		100	75.8-126				
1,4-Dichlorobenzene	46		"	50.0		91.2	76.6-125				
2,2-Dichloropropane	50		"	50.0		99.3	69-133				
2-Butanone	53		"	50.0		107	70-130				
2-Chlorotoluene	44		"	50.0		88.0	66.3-119				
4-Chlorotoluene	46		"	50.0		91.9	69.2-127				
Acetone	47		"	50.0		93.1	70-130				
Benzene	49		"	50.0		97.7	76.2-129				
Bromobenzene	47		"	50.0		94.6	71.3-123				
Bromochloromethane	53		"	50.0		105	70.8-137				
Bromodichloromethane	49		"	50.0		97.0	79.7-134				
Bromoform	50		"	50.0		99.4	70.5-141				
Bromomethane	37		"	50.0		73.0	43.9-147				
Carbon tetrachloride	46		"	50.0		92.5	78.1-138				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31237 - EPA 5030B											
LCS (BE31237-BS1)								Prepared & Analyzed: 05/28/2013			
Chlorobenzene	48		ug/L	50.0		95.0	80.4-125				
Chloroethane	42		"	50.0		83.6	55.8-140				
Chloroform	47		"	50.0		95.0	76.6-133				
Chloromethane	36		"	50.0		72.5	48.8-115				
cis-1,2-Dichloroethylene	50		"	50.0		100	75.1-128				
cis-1,3-Dichloropropylene	50		"	50.0		99.3	74.5-128				
Dibromochloromethane	50		"	50.0		99.4	79.8-134				
Dibromomethane	52		"	50.0		103	79-130				
Dichlorodifluoromethane	22		"	50.0		43.7	47.1-101	Low Bias			
Ethyl Benzene	48		"	50.0		95.3	80.8-128				
Hexachlorobutadiene	43		"	50.0		86.1	64.8-128				
Isopropylbenzene	46		"	50.0		91.9	75.5-135				
Methyl tert-butyl ether (MTBE)	50		"	50.0		100	65.1-140				
Methylene chloride	39		"	50.0		77.6	61.3-120				
Naphthalene	51		"	50.0		102	62.3-148				
n-Butylbenzene	44		"	50.0		87.3	67.2-123				
n-Propylbenzene	45		"	50.0		90.4	70.5-127				
o-Xylene	46		"	50.0		91.8	75.9-122				
p- & m- Xylenes	94		"	100		93.9	77.7-127				
p-Isopropyltoluene	45		"	50.0		90.3	75.6-129				
sec-Butylbenzene	46		"	50.0		92.4	71.5-125				
Styrene	49		"	50.0		97.4	77.8-123				
tert-Butylbenzene	46		"	50.0		92.5	75.9-151				
Tetrachloroethylene	47		"	50.0		93.6	63.6-167				
Toluene	48		"	50.0		95.3	77-123				
trans-1,2-Dichloroethylene	45		"	50.0		90.7	76.3-139				
trans-1,3-Dichloropropylene	49		"	50.0		98.0	72.5-137				
Trichloroethylene	47		"	50.0		93.5	77.9-130				
Trichlorofluoromethane	38		"	50.0		76.5	57.4-133				
Vinyl Chloride	37		"	50.0		73.5	54.9-124				
Vinyl acetate	41		"	50.0		81.8	70-130				
Surrogate: 1,2-Dichloroethane-d4	*49.9*		*"*	*50.0*		*99.9*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.2*	*63.5-145*				
Surrogate: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31237 - EPA 5030B											
LCS Dup (BE31237-BSD1)								Prepared & Analyzed: 05/28/2013			
1,1,1,2-Tetrachloroethane	48		ug/L	50.0		95.1	82.3-130		1.38	21.1	
1,1,1-Trichloroethane	46		"	50.0		91.4	75.6-137		0.828	19.7	
1,1,2,2-Tetrachloroethane	53		"	50.0		106	71.3-131		0.379	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		96.6	71.1-129		2.45	21.7	
1,1,2-Trichloroethane	50		"	50.0		100	74.5-129		2.91	20.3	
1,1-Dichloroethane	47		"	50.0		93.3	79.6-132		1.90	20.6	
1,1-Dichloroethylene	44		"	50.0		87.3	80.2-146		1.83	20	
1,1-Dichloropropylene	45		"	50.0		90.4	75-136		0.355	19.3	
1,2,3-Trichlorobenzene	45		"	50.0		89.6	66.1-136		1.57	21.6	
1,2,3-Trichloropropane	48		"	50.0		96.0	63-131		2.93	23.9	
1,2,4-Trichlorobenzene	43		"	50.0		86.3	70.6-136		4.02	21.7	
1,2,4-Trimethylbenzene	44		"	50.0		88.4	75.3-135		1.79	18.8	
1,2-Dibromo-3-chloropropane	62		"	50.0		124	58.9-140		1.30	27.7	
1,2-Dibromoethane	50		"	50.0		100	79-130		1.56	23	
1,2-Dichlorobenzene	46		"	50.0		91.4	76.1-122		1.95	19.8	
1,2-Dichloroethane	48		"	50.0		95.6	74.6-132		0.605	20.2	
1,2-Dichloropropane	51		"	50.0		101	76.9-129		1.73	20.7	
1,3,5-Trimethylbenzene	44		"	50.0		89.0	70.6-127		4.12	18.9	
1,3-Dichlorobenzene	45		"	50.0		89.5	77-124		2.41	19.2	
1,3-Dichloropropane	52		"	50.0		103	75.8-126		3.15	22.1	
1,4-Dichlorobenzene	45		"	50.0		90.3	76.6-125		0.948	18.6	
2,2-Dichloropropane	49		"	50.0		97.4	69-133		1.95	19.8	
2-Butanone	58		"	50.0		116	70-130		8.08	30	
2-Chlorotoluene	44		"	50.0		87.9	66.3-119		0.0682	21.6	
4-Chlorotoluene	46		"	50.0		91.2	69.2-127		0.721	19	
Acetone	46		"	50.0		91.2	70-130		2.04	30	
Benzene	49		"	50.0		98.3	76.2-129		0.571	19	
Bromobenzene	47		"	50.0		94.5	71.3-123		0.0635	20.3	
Bromochloromethane	53		"	50.0		105	70.8-137		0.114	23.9	
Bromodichloromethane	49		"	50.0		98.1	79.7-134		1.11	21	
Bromoform	51		"	50.0		102	70.5-141		2.27	21.8	
Bromomethane	35		"	50.0		69.5	43.9-147		4.94	28.4	
Carbon tetrachloride	46		"	50.0		91.7	78.1-138		0.869	20.1	
Chlorobenzene	48		"	50.0		95.5	80.4-125		0.441	19.9	
Chloroethane	43		"	50.0		86.2	55.8-140		3.16	23.3	
Chloroform	48		"	50.0		96.3	76.6-133		1.38	20.3	
Chloromethane	37		"	50.0		73.6	48.8-115		1.56	24.5	
cis-1,2-Dichloroethylene	48		"	50.0		96.5	75.1-128		3.86	20.5	
cis-1,3-Dichloropropylene	51		"	50.0		102	74.5-128		2.37	19.9	
Dibromochloromethane	51		"	50.0		102	79.8-134		2.19	21.3	
Dibromomethane	52		"	50.0		105	79-130		1.27	22.4	
Dichlorodifluoromethane	22		"	50.0		43.5	47.1-101	Low Bias	0.413	23.9	
Ethyl Benzene	48		"	50.0		96.4	80.8-128		1.09	19.2	
Hexachlorobutadiene	42		"	50.0		83.6	64.8-128		2.99	20.6	
Isopropylbenzene	45		"	50.0		90.2	75.5-135		1.87	20	
Methyl tert-butyl ether (MTBE)	50		"	50.0		100	65.1-140		0.220	23.6	
Methylene chloride	39		"	50.0		78.9	61.3-120		1.64	20.4	
Naphthalene	50		"	50.0		101	62.3-148		1.07	27.1	
n-Butylbenzene	43		"	50.0		85.8	67.2-123		1.80	19.1	
n-Propylbenzene	45		"	50.0		90.5	70.5-127		0.111	23.4	
o-Xylene	46		"	50.0		92.3	75.9-122		0.608	19.3	

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

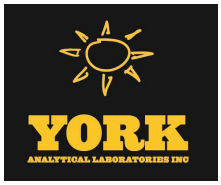
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31237 - EPA 5030B											
LCS Dup (BE31237-BSD1)							Prepared & Analyzed: 05/28/2013				
p- & m- Xylenes	93		ug/L	100		93.5	77.7-127		0.438	18.6	
p-Isopropyltoluene	44		"	50.0		88.3	75.6-129		2.33	19.1	
sec-Butylbenzene	45		"	50.0		90.4	71.5-125		2.17	18.9	
Styrene	49		"	50.0		97.1	77.8-123		0.329	20.9	
tert-Butylbenzene	45		"	50.0		90.3	75.9-151		2.36	20.9	
Tetrachloroethylene	47		"	50.0		94.3	63.6-167		0.766	27.7	
Toluene	48		"	50.0		96.1	77-123		0.773	18.7	
trans-1,2-Dichloroethylene	45		"	50.0		89.5	76.3-139		1.38	19.5	
trans-1,3-Dichloropropylene	49		"	50.0		98.3	72.5-137		0.346	19.3	
Trichloroethylene	47		"	50.0		93.1	77.9-130		0.429	20.5	
Trichlorofluoromethane	38		"	50.0		76.9	57.4-133		0.495	21.4	
Vinyl Chloride	38		"	50.0		76.2	54.9-124		3.58	22.3	
Vinyl acetate	44		"	50.0		87.5	70-130		6.69	30	
Surrogate: 1,2-Dichloroethane-d4	*50.6*		*"*	*50.0*		*101*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*48.6*		*"*	*50.0*		*97.3*	*63.5-145*				
Surrogate: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*81.2-127*				

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31278 - EPA 3510C											
Blank (BE31278-BLK1)											
Prepared: 05/29/2013 Analyzed: 05/30/2013											
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzyl alcohol	ND	5.00	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl butyl phthalate	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	0.800	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	10.0	"								
2,4-Dinitrophenol	ND	10.0	"								
2,6-Dinitrotoluene	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	5.00	"								
Hexachlorobutadiene	ND	5.00	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	5.00	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
Naphthalene	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

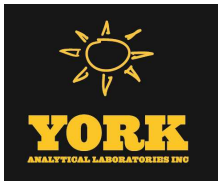
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31278 - EPA 3510C											
Blank (BE31278-BLK1)								Prepared: 05/29/2013 Analyzed: 05/30/2013			
3-Nitroaniline	ND	5.00	ug/L								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodimethylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	5.00	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
Surrogate: 2,4,6-Tribromophenol	*75.8*		*"*	*75.2*		*101*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*44.4*		*"*	*50.2*		*88.5*	*30-130*				
Surrogate: 2-Fluorophenol	*27.4*		*"*	*74.8*		*36.7*	*15-110*				
Surrogate: Nitrobenzene-d5	*40.8*		*"*	*49.9*		*81.7*	*30-130*				
Surrogate: Phenol-d5	*15.1*		*"*	*74.9*		*20.2*	*10-110*				
Surrogate: Terphenyl-d14	*58.2*		*"*	*50.0*		*116*	*30-130*				
LCS (BE31278-BS1)								Prepared: 05/29/2013 Analyzed: 05/30/2013			
Acenaphthene	44.1	0.0500	ug/L	50.0		88.2	30-140				
Acenaphthylene	41.9	0.0500	"	50.0		83.8	30-140				
Aniline	21.4	5.00	"	50.0		42.9	30-140				
Anthracene	48.3	0.0500	"	50.0		96.6	30-140				
Benzo(a)anthracene	47.7	0.0500	"	50.0		95.3	30-140				
Benzo(a)pyrene	53.0	0.0500	"	50.0		106	30-140				
Benzo(b)fluoranthene	46.2	0.0500	"	50.0		92.3	30-140				
Benzyl alcohol	21.2	5.00	"	50.0		42.4	30-130				
Benzo(g,h,i)perylene	16.4	0.0500	"	50.0		32.8	30-140				
Benzo(k)fluoranthene	48.3	0.0500	"	50.0		96.6	30-140				
Benzyl butyl phthalate	44.7	5.00	"	50.0		89.5	30-140				
4-Bromophenyl phenyl ether	51.0	5.00	"	50.0		102	30-140				
4-Chloro-3-methylphenol	35.6	5.00	"	50.0		71.2	30-130				
4-Chloroaniline	38.6	5.00	"	50.0		77.3	30-140				
Bis(2-chloroethoxy)methane	39.2	5.00	"	50.0		78.4	30-140				
Bis(2-chloroethyl)ether	34.8	5.00	"	50.0		69.6	30-140				
Bis(2-chloroisopropyl)ether	35.9	5.00	"	50.0		71.7	30-140				
Bis(2-ethylhexyl)phthalate	48.5	5.00	"	50.0		97.1	30-140				
2-Chloronaphthalene	40.5	5.00	"	50.0		80.9	30-140				
2-Chlorophenol	28.5	5.00	"	50.0		57.0	30-130				
4-Chlorophenyl phenyl ether	47.6	5.00	"	50.0		95.2	30-140				
Chrysene	48.3	0.0500	"	50.0		96.6	30-140				
Dibenzo(a,h)anthracene	31.0	0.0500	"	50.0		62.0	30-140				
Dibenzofuran	44.5	5.00	"	50.0		89.0	30-140				
Di-n-butyl phthalate	46.6	5.00	"	50.0		93.3	30-140				
1,2-Dichlorobenzene	31.9	5.00	"	50.0		63.9	30-140				
1,3-Dichlorobenzene	32.8	5.00	"	50.0		65.7	30-140				

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31278 - EPA 3510C											
LCS (BE31278-BS1)								Prepared: 05/29/2013 Analyzed: 05/30/2013			
1,4-Dichlorobenzene	33.2	5.00	ug/L	50.0		66.4	30-140				
3,3'-Dichlorobenzidine	54.7	5.00	"	50.0		109	30-140				
2,4-Dichlorophenol	37.3	5.00	"	50.0		74.7	30-130				
Diethyl phthalate	44.5	5.00	"	50.0		89.0	30-140				
2,4-Dimethylphenol	32.6	5.00	"	50.0		65.2	30-130				
Dimethyl phthalate	43.2	5.00	"	50.0		86.4	30-140				
4,6-Dinitro-2-methylphenol	52.9	10.0	"	50.0		106	30-130				
2,4-Dinitrophenol	48.6	10.0	"	50.0		97.1	30-130				
2,6-Dinitrotoluene	47.8	5.00	"	50.0		95.6	30-140				
2,4-Dinitrotoluene	44.7	5.00	"	50.0		89.5	30-140				
Di-n-octyl phthalate	45.2	5.00	"	50.0		90.4	30-140				
Fluoranthene	47.2	0.0500	"	50.0		94.5	30-140				
Fluorene	47.2	0.0500	"	50.0		94.5	30-140				
Hexachlorobenzene	47.6	5.00	"	50.0		95.2	30-140				
Hexachlorobutadiene	35.0	5.00	"	50.0		69.9	30-140				
Hexachlorocyclopentadiene	33.5	5.00	"	50.0		67.0	30-140				
Hexachloroethane	32.0	5.00	"	50.0		64.0	30-140				
Indeno(1,2,3-cd)pyrene	28.2	0.0500	"	50.0		56.5	30-140				
Isophorone	38.3	5.00	"	50.0		76.7	30-140				
2-Methylnaphthalene	37.7	5.00	"	50.0		75.3	30-140				
3- & 4-Methylphenols	21.0	5.00	"	50.0		42.1	30-130				
2-Methylphenol	24.3	5.00	"	50.0		48.7	30-130				
Naphthalene	37.7	5.00	"	50.0		75.5	30-140				
4-Nitroaniline	41.9	5.00	"	50.0		83.8	30-140				
3-Nitroaniline	44.2	5.00	"	50.0		88.5	30-140				
2-Nitroaniline	43.5	5.00	"	50.0		87.1	30-140				
Nitrobenzene	36.9	5.00	"	50.0		73.7	30-140				
2-Nitrophenol	35.8	5.00	"	50.0		71.7	30-130				
4-Nitrophenol	11.9	5.00	"	50.0		23.8	30-130	Low Bias			
N-nitroso-di-n-propylamine	41.5	5.00	"	50.0		83.0	30-140				
N-Nitrosodimethylamine	12.1	5.00	"	50.0		24.2	30-140	Low Bias			
N-Nitrosodiphenylamine	65.4	5.00	"	50.0		131	30-140				
Pentachlorophenol	49.6	5.00	"	50.0		99.3	30-130				
Phenanthrene	48.6	0.0500	"	50.0		97.2	30-140				
Phenol	9.58	5.00	"	50.0		19.2	30-130	Low Bias			
Pyrene	44.4	0.0500	"	50.0		88.7	30-140				
Pyridine	8.86	5.00	"	50.0		17.7	30-140	Low Bias			
1,2,4-Trichlorobenzene	35.9	5.00	"	50.0		71.8	30-140				
2,4,6-Trichlorophenol	42.8	5.00	"	50.0		85.6	30-130				
2,4,5-Trichlorophenol	42.0	5.00	"	50.0		84.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*89.3*		*"*	*75.2*		*119*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*42.1*		*"*	*50.2*		*83.8*	*30-130*				
Surrogate: 2-Fluorophenol	*23.6*		*"*	*74.8*		*31.5*	*15-110*				
Surrogate: Nitrobenzene-d5	*38.1*		*"*	*49.9*		*76.3*	*30-130*				
Surrogate: Phenol-d5	*13.2*		*"*	*74.9*		*17.7*	*10-110*				
Surrogate: Terphenyl-d14	*48.8*		*"*	*50.0*		*97.5*	*30-130*				



Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31278 - EPA 3510C											
LCS (BE31278-BS2)							Prepared & Analyzed: 05/29/2013				
Acenaphthene	0.590	0.0500	ug/L	1.00		59.0	30-140				
Acenaphthylene	0.610	0.0500	"	1.00		61.0	30-140				
Aniline	ND	5.00	"				30-140				
Anthracene	0.620	0.0500	"	1.00		62.0	30-140				
Benzo(a)anthracene	0.690	0.0500	"	1.00		69.0	30-140				
Benzo(a)pyrene	0.730	0.0500	"	1.00		73.0	30-140				
Benzo(b)fluoranthene	0.790	0.0500	"	1.00		79.0	30-140				
Benzyl alcohol	ND	5.00	"				30-130				
Benzo(g,h,i)perylene	0.840	0.0500	"	1.00		84.0	30-140				
Benzo(k)fluoranthene	0.720	0.0500	"	1.00		72.0	30-140				
Benzyl butyl phthalate	ND	5.00	"				30-140				
4-Bromophenyl phenyl ether	ND	5.00	"				30-140				
4-Chloro-3-methylphenol	ND	5.00	"				30-130				
4-Chloroaniline	ND	5.00	"				30-140				
Bis(2-chloroethoxy)methane	ND	5.00	"				30-140				
Bis(2-chloroethyl)ether	ND	5.00	"				30-140				
Bis(2-chloroisopropyl)ether	ND	5.00	"				30-140				
Bis(2-ethylhexyl)phthalate	ND	5.00	"				30-140				
2-Chloronaphthalene	ND	5.00	"				30-140				
2-Chlorophenol	ND	5.00	"				30-130				
4-Chlorophenyl phenyl ether	ND	5.00	"				30-140				
Chrysene	0.640	0.0500	"	1.00		64.0	30-140				
Dibenzo(a,h)anthracene	1.00	0.0500	"	1.00		100	30-140				
Dibenzofuran	ND	5.00	"				30-140				
Di-n-butyl phthalate	ND	5.00	"				30-140				
1,3-Dichlorobenzene	ND	5.00	"				30-140				
1,2-Dichlorobenzene	ND	5.00	"				30-140				
1,4-Dichlorobenzene	ND	5.00	"				30-140				
3,3'-Dichlorobenzidine	ND	5.00	"				30-140				
2,4-Dichlorophenol	ND	5.00	"				30-130				
Diethyl phthalate	ND	5.00	"				30-140				
2,4-Dimethylphenol	ND	5.00	"				30-130				
Dimethyl phthalate	ND	5.00	"				30-140				
4,6-Dinitro-2-methylphenol	ND	10.0	"				30-130				
2,4-Dinitrophenol	ND	10.0	"				30-130				
2,6-Dinitrotoluene	ND	5.00	"				30-140				
2,4-Dinitrotoluene	ND	5.00	"				30-140				
Di-n-octyl phthalate	ND	5.00	"				30-140				
Fluoranthene	0.570	0.0500	"	1.00		57.0	30-140				
Fluorene	0.660	0.0500	"	1.00		66.0	30-140				
Hexachlorobenzene	ND	5.00	"				30-140				
Hexachlorobutadiene	ND	5.00	"				30-140				
Hexachlorocyclopentadiene	ND	5.00	"				30-140				
Hexachloroethane	ND	5.00	"				30-140				
Indeno(1,2,3-cd)pyrene	1.06	0.0500	"	1.00		106	30-140				
Isophorone	ND	5.00	"				30-140				
2-Methylnaphthalene	ND	5.00	"				30-140				
3- & 4-Methylphenols	ND	5.00	"				30-130				
2-Methylphenol	ND	5.00	"				30-130				
Naphthalene	0.540	5.00	"	1.00		54.0	30-140				
4-Nitroaniline	ND	5.00	"				30-140				

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31278 - EPA 3510C											
LCS (BE31278-BS2)							Prepared & Analyzed: 05/29/2013				
3-Nitroaniline	ND	5.00	ug/L				30-140				
2-Nitroaniline	ND	5.00	"				30-140				
Nitrobenzene	ND	5.00	"				30-140				
2-Nitrophenol	ND	5.00	"				30-130				
4-Nitrophenol	ND	5.00	"				30-130				
N-nitroso-di-n-propylamine	ND	5.00	"				30-140				
N-Nitrosodimethylamine	ND	5.00	"				30-140				
N-Nitrosodiphenylamine	ND	5.00	"				30-140				
Pentachlorophenol	ND	5.00	"				30-130				
Phenanthrene	0.590	0.0500	"	1.00		59.0	30-140				
Phenol	ND	5.00	"				30-130				
Pyrene	0.700	0.0500	"	1.00		70.0	30-140				
Pyridine	ND	5.00	"				30-140				
1,2,4-Trichlorobenzene	ND	5.00	"				30-140				
2,4,6-Trichlorophenol	ND	5.00	"				30-130				
2,4,5-Trichlorophenol	ND	5.00	"				30-130				
Surrogate: 2,4,6-Tribromophenol	*0.00*		*"*	*75.2*			*15-110*				
Surrogate: 2-Fluorobiphenyl	*0.00*		*"*	*50.2*			*30-130*				
Surrogate: 2-Fluorophenol	*0.00*		*"*	*74.8*			*15-110*				
Surrogate: Nitrobenzene-d5	*0.00*		*"*	*49.9*			*30-130*				
Surrogate: Phenol-d5	*0.00*		*"*	*74.9*			*10-110*				
Surrogate: Terphenyl-d14	*0.00*		*"*	*50.0*			*30-130*				

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31258 - EPA SW846-3510C Low Level											
Blank (BE31258-BLK1)									Prepared: 05/29/2013 Analyzed: 05/31/2013		
Toxaphene	ND	0.0500	ug/L								
Methoxychlor	ND	0.00500	"								
Heptachlor epoxide	ND	0.00100	"								
Heptachlor	ND	0.00100	"								
gamma-BHC (Lindane)	ND	0.00100	"								
Endrin ketone	ND	0.00100	"								
Endrin aldehyde	ND	0.00100	"								
Endrin	ND	0.00100	"								
Endosulfan sulfate	ND	0.00100	"								
Endosulfan II	ND	0.00100	"								
Endosulfan I	ND	0.00100	"								
Dieldrin	ND	0.00100	"								
delta-BHC	ND	0.00100	"								
Chlordane, total	ND	0.00400	"								
beta-BHC	ND	0.00100	"								
alpha-BHC	ND	0.00100	"								
Aldrin	ND	0.00100	"								
4,4'-DDT	ND	0.00100	"								
4,4'-DDE	ND	0.00100	"								
4,4'-DDD	ND	0.00100	"								
Aroclor 1260	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1221	ND	0.0500	"								
Aroclor 1016	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.127*		*"*	*0.200*		*63.3*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.169*		*"*	*0.201*		*83.9*	*30-150*				

Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE31258 - EPA SW846-3510C Low Level											
LCS (BE31258-BS1)								Prepared: 05/29/2013 Analyzed: 05/31/2013			
Methoxychlor	0.0740	0.00500	ug/L	0.100		74.0	40-140				
Heptachlor epoxide	0.0599	0.00100	"	0.100		59.9	40-140				
Heptachlor	0.0591	0.00100	"	0.100		59.1	40-140				
gamma-BHC (Lindane)	0.0571	0.00100	"	0.100		57.1	40-140				
Endrin ketone	0.0718	0.00100	"	0.100		71.8	40-140				
Endrin aldehyde	0.0662	0.00100	"	0.100		66.2	40-140				
Endrin	0.0669	0.00100	"	0.100		66.9	40-140				
Endosulfan sulfate	0.0700	0.00100	"	0.100		70.0	40-140				
Endosulfan II	0.0638	0.00100	"	0.100		63.8	40-140				
Endosulfan I	0.0639	0.00100	"	0.100		63.9	40-140				
Dieldrin	0.0631	0.00100	"	0.100		63.1	40-140				
delta-BHC	0.0678	0.00100	"	0.100		67.8	40-140				
beta-BHC	0.0587	0.00100	"	0.100		58.7	40-140				
alpha-BHC	0.0585	0.00100	"	0.100		58.5	40-140				
Aldrin	0.0569	0.00100	"	0.100		56.9	40-140				
4,4'-DDT	0.0801	0.00100	"	0.100		80.1	40-140				
4,4'-DDE	0.0634	0.00100	"	0.100		63.4	40-140				
4,4'-DDD	0.0734	0.00100	"	0.100		73.4	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0988*		*"*	*0.200*		*49.4*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.154*		*"*	*0.201*		*76.4*	*30-150*				
LCS (BE31258-BS2)								Prepared: 05/29/2013 Analyzed: 05/30/2013			
Aroclor 1260	0.784	0.0500	ug/L	1.00		78.4	40-140				
Aroclor 1016	0.733	0.0500	"	1.00		73.3	40-140				
Surrogate: Tetrachloro-m-xylene	*0.116*		*"*	*0.200*		*58.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.132*		*"*	*0.201*		*65.7*	*30-150*				
LCS Dup (BE31258-BSD2)								Prepared: 05/29/2013 Analyzed: 05/30/2013			
Aroclor 1260	0.806	0.0500	ug/L	1.00		80.6	40-140		2.72	200	
Aroclor 1016	0.769	0.0500	"	1.00		76.9	40-140		4.79	200	
Surrogate: Tetrachloro-m-xylene	*0.120*		*"*	*0.200*		*60.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.138*		*"*	*0.201*		*68.7*	*30-150*				

Polychlorinated Biphenyls (PCB) by EPA SW 846-8082/EPA Compendium 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 BE31258 - EPA SW846-3510C Low Level											
Blank (BE31258-BLK1)									Prepared: 05/29/2013 Analyzed: 05/30/2013		
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.122*		*"*	*0.200*		*61.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.131*		*"*	*0.201*		*65.2*	*30-150*				
LCS (BE31258-BS2)									Prepared: 05/29/2013 Analyzed: 05/30/2013		
Aroclor 1016	0.733	0.0500	ug/L	1.00		73.3	40-140				
Aroclor 1260	0.784	0.0500	"	1.00		78.4	40-140				
Surrogate: Tetrachloro-m-xylene	*0.116*		*"*	*0.200*		*58.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.132*		*"*	*0.201*		*65.7*	*30-150*				
LCS Dup (BE31258-BSD2)									Prepared: 05/29/2013 Analyzed: 05/30/2013		
Aroclor 1016	0.769	0.0500	ug/L	1.00		76.9	40-140		4.79	200	
Aroclor 1260	0.806	0.0500	"	1.00		80.6	40-140		2.72	200	
Surrogate: Tetrachloro-m-xylene	*0.120*		*"*	*0.200*		*60.0*	*30-150*				
Surrogate: Decachlorobiphenyl	*0.138*		*"*	*0.201*		*68.7*	*30-150*				

Metals by EPA 6000 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 BE31367 - EPA 3010A											
Blank (BE31367-BLK1)									Prepared & Analyzed: 05/30/2013		
Aluminum	ND	10	ug/L								
Antimony	ND	5	"								
Arsenic	ND	4	"								
Barium	ND	10	"								
Beryllium	ND	1	"								
Cadmium	ND	3	"								
Calcium	ND	50	"								
Chromium	ND	5	"								
Cobalt	ND	5	"								
Copper	ND	5	"								
Iron	ND	20	"								
Lead	ND	3	"								
Magnesium	ND	50	"								
Manganese	ND	5	"								
Nickel	ND	5	"								
Potassium	ND	50	"								
Selenium	ND	10	"								
Silver	ND	5	"								
Sodium	ND	100	"								
Thallium	ND	10	"								
Vanadium	ND	10	"								
Zinc	ND	20	"								
Duplicate (BE31367-DUP1)	*Source sample: 13E0868-01 (MW-8_052313)								Prepared & Analyzed: 05/30/2013		
Aluminum	96	10	ug/L		96				0.323	20	
Antimony	ND	5	"		ND					20	
Arsenic	ND	4	"		ND					20	
Barium	91	10	"		90				0.908	20	
Beryllium	ND	1	"		ND					20	
Cadmium	ND	3	"		ND					20	
Calcium	137000	50	"		137000				0.155	20	
Chromium	ND	5	"		ND					20	
Cobalt	ND	5	"		ND					20	
Copper	3	5	"		3				4.74	20	
Iron	138	20	"		144				4.24	20	
Lead	4	3	"		3				42.0	20	Non-dir.
Magnesium	25500	50	"		25500				0.0806	20	
Manganese	1670	5	"		1660				0.732	20	
Nickel	4	5	"		5				14.0	20	
Potassium	13000	50	"		13100				1.02	20	
Selenium	ND	10	"		ND					20	
Silver	ND	5	"		ND					20	
Sodium	59800	100	"		59500				0.429	20	
Thallium	ND	10	"		ND					20	
Vanadium	ND	10	"		ND					20	
Zinc	30	20	"		29				1.27	20	

Metals by EPA 6000 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 BE31367 - EPA 3010A											
Matrix Spike (BE31367-MS1)	*Source sample: 13E0868-01 (MW-8_052313)							Prepared & Analyzed: 05/30/2013			
Antimony	261	5	ug/L	250	ND	104	75-125				
Arsenic	2210	4	"	2000	ND	111	75-125				
Barium	2190	10	"	2000	90	105	75-125				
Beryllium	51	1	"	50.0	ND	103	75-125				
Cadmium	53	3	"	50.0	ND	105	75-125				
Chromium	204	5	"	200	ND	102	75-125				
Cobalt	523	5	"	500	ND	105	75-125				
Copper	261	5	"	250	3	103	75-125				
Iron	1180	20	"	1000	144	103	75-125				
Lead	517	3	"	500	3	103	75-125				
Manganese	2180	5	"	500	1660	105	75-125				
Nickel	530	5	"	500	5	105	75-125				
Selenium	2310	10	"	2000	ND	116	75-125				
Silver	45	5	"	50.0	ND	90.5	75-125				
Thallium	2080	10	"	2000	ND	104	75-125				
Vanadium	513	10	"	500	ND	103	75-125				
Zinc	543	20	"	500	29	103	75-125				
Reference (BE31367-SRM1)								Prepared & Analyzed: 05/30/2013			
Aluminum	326	10	ug/L	292		112	72.6-129				
Antimony	593	5	"	686		86.4	70.6-120				
Arsenic	167	4	"	182		91.9	81.9-118				
Barium	2140	10	"	2080		103	87-113				
Beryllium	164	1	"	169		97.0	84.6-113				
Cadmium	385	3	"	393		97.9	85.2-114				
Chromium	602	5	"	611		98.5	87.1-113				
Cobalt	292	5	"	290		101	87.6-112				
Copper	567	5	"	569		99.6	90-110				
Iron	455	20	"	462		98.5	87.9-114				
Lead	262	3	"	259		101	85.7-114				
Manganese	1310	5	"	1280		102	89.8-111				
Nickel	303	5	"	279		109	88.5-113				
Selenium	973	10	"	1050		92.7	79.5-116				
Silver	311	5	"	333		93.3	85.9-115				
Thallium	505	10	"	487		104	80.1-120				
Vanadium	434	10	"	455		95.4	87.5-112				
Zinc	181	20	"	191		94.6	84.8-118				

Metals by EPA 6000 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 BE31367 - EPA 3010A											
Reference (BE31367-SRM2)								Prepared & Analyzed: 05/30/2013			
Calcium	63900	50	ug/L	62700		102	86-114				
Magnesium	30100	50	"	29000		104	86.2-114				
Potassium	35300	50	"	32400		109	85.2-115				
Sodium	88000	100	"	85100		103	85-115				

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 BE31297 - EPA SW846-7470											
Blank (BE31297-BLK1)									Prepared: 05/29/2013 Analyzed: 05/30/2013		
Mercury	ND	0.2	ug/L								
LCS (BE31297-BS1)									Prepared: 05/29/2013 Analyzed: 05/30/2013		
Mercury	2.327	0.2	ug/L	2.00		116	80-120				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13E0868-01	MW-8_052313	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0868-02	DUP-1_052313	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0868-03	MW-9_052313	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0868-04	MW-6_052313	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0868-05	MW-7_052313	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0868-06	MW-3_052313	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0868-07	MW-10_052313	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0868-08	TRC-MW-3_052413	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13E0868-09	FB_052413	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

U	Analyte included in the analysis, but not detected
S-AC	Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 13E0868

YOUR Information

Company: Langan
Address: 360 W 31st St New York, NY
Phone No. (212) 479-5400
Contact Person: Tracy Cam-Spiros
E-Mail Address: tcamspiros@langan.com

Report To:

Company:
Address: same
Phone No.
Attention: Paul McMahon
E-Mail Address: pmmahon@langan.com

Invoice To:

Company:
Address: same
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

170246501

Purchase Order No.

Samples from: CT ___ NY ✓ NJ ___

Turn-Around Time

- RUSH - Same Day
- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day ✓
- Standard(5-7 Days)

Report Type

- Summary Report ✓
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package ✓
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel
- NYSDEC EQuIS ✓
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS KEY (std)
- Other
- **York Regulatory Comparison**
- **Excel Spreadsheet** ✓

Compare to the Following Regs: please circle: nysdec TOGS

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRAS	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Bacteria	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Sporulating Bacteria	BTU lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Fungus	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-8_052313	05/23/13 14:32	GW	8260B VOC, 8270C SVOC, 8082 PCBs, TAL Metals	2 1L Ambers, 3 (HCl) VOAs, 1-500mL Plastic
DUP-1_052313	05/23/13	GW	8260B VOC, 8270C SVOC, 8082 PCBs, 8081 PEST, TAL Metals	3-1L Ambers, 3 VOAs, 1-500mL Plastic
MW-9_052313	05/23/13 8:55	GW		
MW-6_052313	05/23/13 10:00	GW		
MW-7_052313	05/23/13 10:30	GW		
MW-3_052313	05/23/13 12:20	GW		
MW-10_052313	05/23/13 16:20	GW		3-1L Ambers, 2 VOAs, 1-500mL Plastic
~~DUP~~ TRC-MW-3_052413	05/24/13 10:20	GW		3-1L Ambers, 2 VOAs, 1-500mL Plastic
FB_052413	05/24/13 9:20	GW		

Comments

Preservation (Check those Applicable): 4°C ✓ Frozen ___ HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions

Field Filtered

Lab to Filter

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	05/24/13 12:53	[signature]	5/24 12:53
Samples Relinquished By	Date/Time	Samples Received in LAB By	Date/Time
			5/24/13 1740

Temperature on Receipt 3.6 °C