

**511-525 WEST 36<sup>TH</sup> STREET & 518-520 WEST 37<sup>TH</sup>  
STREET**

**MANHATTAN, NEW YORK**

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**Remedial Investigation Report**

**NYC VCP Site Number: N/A**

**Prepared for:**

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October/2014

# REMEDIAL INVESTIGATION REPORT

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## LIST OF ACRONYMS

<b>Acronym</b>	<b>Definition</b>
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

# CERTIFICATION

I, Mark Robbins, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 511-525 West 36<sup>th</sup> and 518-520 West 37<sup>th</sup> Street, Manhattan, (NYC VCP Site No. N/A). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Mark E. Robbins      1/23/2015      

Qualified Environmental Professional

Date

Signature

# EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

## **Site Location and Current Usage**

The Site is located along the north side of West 36<sup>th</sup> Street, between 11<sup>th</sup> Avenue to the west and 10<sup>th</sup> Avenue to the east in the borough of Manhattan, NY. The Site is further identified as Block 708, Lots 20, 22, 24 and 46. A map of the site boundary is shown in **Figure 1**. **Figure 2** shows the Site location. The Site is 22,218.75 square feet and is bounded by a 44-story residential building to the north, a vacant lot to the south, a 12-story residential building to the east, and a 2-story mixed-use residential and Complete Automotive Repair shop to the west. The remaining area of the Site consists of a vacant lot, covered by brick, concrete, and bare soil. The eastern portion of the Site is excavated to approximately ten feet below grade.

## **Summary of Proposed Redevelopment Plan**

The proposed future use of the Site will consist of a full build-out to the 511-525 West 36<sup>th</sup> Street property boundaries as a 38-story residential building. Excavation will be to approximately 22 feet below grade, into the bedrock below the Site. Parking areas will be allotted in the sub-cellar, cellar, and partially on the first floor. Commercial areas will be located in the cellar and on the first floor. The first floor will also consist of a residential lobby, a community facility, a mailroom, and mechanical rooms. The proposed building footprint is approximately 16,500 square feet. The layout of the proposed site development is presented in **Figure 3**. The current zoning designation is C2-8 and M1-5/HY, zoned commercial or Manhattan residential. The proposed use is consistent with existing zoning for the property.

## **Summary of Past Uses of Site and Areas of Concern**

Based upon the review of a Phase I Environmental Site Assessment Survey performed by Hydro Tech Environmental during June 2012, a site history was established. The property located at 511-515 West 36<sup>th</sup> Street was developed with a 6-story building with a basement and

used by NY Bottling Company during 1909 and later used by the McGraw Hill Company during 1930. Other firms, including an acoustic company and a door company utilized the site.

The property located at 517-519 West 36<sup>th</sup> Street was developed with a 3-story building prior to 1899. A public auto garage occupied the Site during 1911. A 275-gallon buried gasoline tank was noted on the Sanborn Maps from 1930 to 2005. No fill line was observed at the premises, which suggests that the tank may have been previously removed.

The property located at 521-525 West 36<sup>th</sup> Street was developed with a 4-story building prior to 1899. The site was occupied by a stable wagon facility during 1911. An auto radiator repair facility occupied the site during 1976-2005.

The scope of work for the Phase I did not include the address at 518-520 West 37<sup>th</sup> Street, New York, NY.

The AOCs identified for this site include: The AOCs identified for this site include:

1. The central portion of the Site due to the presence of a buried tank at 517-519 West 36<sup>th</sup> Street as listed on historical Sanborn Maps.
2. The western portion of the Site due to the historical use of 521-525 West 36<sup>th</sup> Street as an auto repair garage

### **Summary of the Work Performed under the Remedial Investigation**

1. Conducted a Site inspection comprised of a Ground Penetrating Radar survey to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed eight (8) soil borings across the entire project Site, and collected sixteen (16) soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed two (2) groundwater monitoring wells in the central and southern portions of the Site to establish groundwater flow and collected two (2) groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed five (5) soil vapor probes around Site perimeter and collected five (5) samples for chemical analysis to evaluate soil vapor quality.

5. One (1) ambient outdoor air sample was additionally collected for chemical analysis to evaluate ambient air quality.

### **.Summary of Environmental Findings**

1. The elevation of the property was not established during the investigation.
2. The results of the GPR survey did not identify any anomalies at the Site.
3. Depth to groundwater ranges from 11.60 to 12.20 feet at the Site.
4. The groundwater flow direction was not established at the Site.
5. Depth to bedrock varies widely at the Site. It was encountered between 3 feet below grade in the western portion of the Site and 27 feet below grade in the eastern portion of the Site.
6. The stratigraphy of the site, from the surface down, consists of 8 feet of brown granular sand with trace brick, concrete, and asphalt fill underlain by bedrock.
7. Soil/fill samples collected during the remedial investigation were compared to 6NYCRR Part 375-6.8 Track 1 Unrestricted Use Soil Cleanup Objectives (SCOs) and Track 2 Restricted Residential Use SCOs. Samples show no PCBs at concentrations greater than Unrestricted Use SCOs. Aroclor 1260 (0.0752 mg/kg) was detected in a deep soil sample at a concentration less than its SCO. The soil samples show 1,2,4-Trimethylbenzene (10 mg/kg) was detected in one deep soil sample at a concentration exceeding Track 1 Unrestricted SCOs but less than Track 2 Restricted Residential SCOs. There were no contaminants related to PCE or its degradation products detected in the samples. Six Polycyclic Aromatic Hydrocarbon-range Semi-Volatile Organic Compounds (SVOCs), were detected at concentrations exceeding Restricted Residential Use SCOs including benzo(a)anthracene (maximum 32.7) in two shallow and three deep samples, benzo(a)pyrene (maximum 9.96 mg/kg) in one shallow and two deep soil samples, benzo(b)fluoranthene (maximum 10.1 mg/kg) in one shallow soil sample and one deep sample, chrysene (maximum 29.5 mg/kg) in two shallow samples and one deep sample, dibenzo(a,h)anthracene (maximum 5.38 mg/kg) in one shallow soil sample and one deep sample, and indeno(1,2,3-cd) pyrene (maximum 11.40 mg/kg) in one shallow and two deep soil samples. Two SVOCs were detected at concentrations exceeding

Residential SCOs; including Benzo(k)fluoranthene (2.05 mg/kg) in one shallow sample, and Chrysene (maximum 2.54 mg/kg) in two deep soil samples. One SVOC, Benzo(k)fluoranthene (maximum 0.99 mg/kg), was detected in two deep soil samples at concentrations exceeding Track 1 Unrestricted SCOs but less than Track 2 Restricted Residential SCOs. One pesticide, 4,4'-DDT (maximum 0.02 mg/kg) was detected in one shallow and three deep soil samples at concentrations exceeding Track 1 Unrestricted SCOs but less than Track 2 Restricted Residential SCOs. Mercury (maximum 2.2 mg/kg), Lead (maximum 1,590 mg/kg), Barium (maximum 488 mg/kg), and Manganese (1,770 mg/kg) were detected in several soil samples at concentrations exceeding Track 2 Residential SCOs. Zinc (maximum 470 mg/kg), Lead (117 mg/kg), and Copper (87.9 mg/kg) were detected in several soil samples at concentrations exceeding Track 1 Unrestricted SCOs but less than Track 2 Restricted Residential SCOs.

8. Groundwater samples collected during the RI show no PCBs or Pesticides exceeding Groundwater Quality Standards (GQS). Three VOCs were detected above their GQS, including 1,2,4-Trimethylbenzene (8.4 ug/L) in one sample, Chloroform (maximum 7.1 ug/L) in two samples, and Naphthalene (24 ug/L) in one sample. Three SVOCs were detected above their GQSs, including 2,4,5-Trichlorophenol (41.5 ug/L) in one sample, Fluorene (86.4 ug/L) in one sample, and Pentachlorophenol (maximum 384 ug/L) in two samples. Five metals, specifically; Chromium (84 ug/L), Copper (978 ug/L), Manganese (1,830 ug/L), Nickel (187 ug/L), and Sodium (maximum 189,000 ug/L) were detected in the groundwater samples at concentrations exceeding Groundwater Quality Standards (GQSs). No free product was observed in any of the groundwater samples.
9. The soil vapor and outdoor ambient air results collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Soil vapor results show a total of fifteen (15) VOCs including petroleum and chlorinated solvents related compounds at low concentrations. These VOCs included 1,1,1-Trichloroethane (maximum 6.2 ug/m<sup>3</sup>), 1,3,5-Trimethylbenzene (maximum 8.4 ug/m<sup>3</sup>), 1,2,4-Trichlorobenzene (maximum 30 ug/m<sup>3</sup>), Acetone (maximum 320 ug/m<sup>3</sup>), Benzene (maximum 14 ug/m<sup>3</sup>), Chloroform (maximum 47 ug/m<sup>3</sup>), Cyclohexane (maximum 9.9 ug/m<sup>3</sup>), Ethyl Benzene (maximum 17 ug/m<sup>3</sup>),

Methylene Chloride (36 ug/m<sup>3</sup>), n-Hexane (maximum 75 ug/m<sup>3</sup>), o-Xylene (maximum 23 ug/m<sup>3</sup>), p-&m- Xylenes (maximum 68 ug/m<sup>3</sup>), Tetrachloroethylene (maximum 40 ug/m<sup>3</sup>), Tetrahydrofuran (maximum 5.8 ug/m<sup>3</sup>), Toluene (maximum 85 ug/m<sup>3</sup>), Trichloroethylene (maximum 36 ug/m<sup>3</sup>), and Trichlorofluoromethane (Freon 11) (maximum 120 ug/m<sup>3</sup>). Outdoor ambient air results show no VOCs detected at concentrations exceeding the NYSDOH soil-vapor intrusion guidelines.

# REMEDIAL INVESTIGATION REPORT

## 1.0 SITE BACKGROUND

The Hudson 36, LLC Group anticipate to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.5-acre site located at 511-525 West 36<sup>th</sup> Street and 518-520 West 37<sup>th</sup> Street in the West Midtown section of Manhattan, New York. Residential use is proposed for the property. The RI work was performed during September 2014. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

### 1.1 Site Location and Current Usage

The Site is located along the north side of West 36<sup>th</sup> Street, between 11<sup>th</sup> Avenue to the west and 10<sup>th</sup> Avenue to the east in the borough of Manhattan, NY. The Site is further identified as Block 708, Lots 20, 22, 24, and 46. A map of the site boundary is shown in **Figure 1**. **Figure 2** shows the Site location. The Site is 22,218.75 square feet and is bounded by a 44-story residential building to the north, a vacant lot to the south, a 12-story residential building to the east, and a 2-story mixed-use residential and Complete Automotive Repair shop to the west. The remaining area of the site consists of a vacant lot covered by brick, concrete, and bare soil. The eastern portion of the Site is excavated to approximately ten feet below grade.

### 1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a full build-out to the 511-525 West 36<sup>th</sup> Street property boundaries as a 38-story residential building. Excavation will be to approximately 22 feet below grade, into the bedrock below the Site. Parking areas will be allotted in the sub-cellar, cellar, and partially on the first floor. Commercial areas will be located in the cellar and on the first floor. The first floor will also consist of a residential lobby, a community facility, a mailroom, and mechanical rooms. The proposed building footprint is approximately 16,500 square feet. The layout of the proposed site development is presented in **Figure 3**. The current zoning designation is C2-8 and M1-5/HY, zoned commercial or Manhattan residential. The proposed use is consistent with existing zoning for the property.

### **1.3 Description of Surrounding Property**

The area surrounding the Site consists of a mix of residential and commercial properties. An evaluation of the United States Geological Survey (USGS) 7-½ Minute Topographic Map containing the properties indicate there are ten (10) sensitive receptors present within a 0.125-mile radius of the Subject Property. All of these environmentally sensitive areas are medical facilities. Previous **Figure 1** shows the surrounding land usage.

## **2.0 SITE HISTORY**

### **2.1 Past Uses and Ownership**

Based upon the review of a Phase I Environmental Site Assessment Survey performed by Hydro Tech Environmental in June 2012, a site history was established. The property located at 511-515 West 36<sup>th</sup> Street was developed with a 6-story building with a basement and used by NY Bottling Company during 1909 and later used by the McGraw Hill Company during 1930. Other firms, including an acoustic company and a door company utilized the site.

The property located at 517-519 West 36<sup>th</sup> Street was developed with a 3-story building prior to 1899. A public auto garage occupied the site during 1911. A 275-gallon buried gasoline tank was noted on the Sanborn Maps from 1930 to 2005. No fill line was observed at the premises, which suggests that the tank may have been previously removed.

The property located at 521-525 West 36<sup>th</sup> Street was developed with a 4-story building prior to 1899. The site was occupied by a stable wagon facility during 1911. An auto radiator repair facility occupied the site during 1976-2005.

The scope of work for the Phase I did not include the address at 518-520 West 37<sup>th</sup> Street, New York, NY.

### **2.2 Previous Investigations**

Previous investigations at the Site include the following:

- 511-525 West 36<sup>th</sup> Street Phase I Environmental Site Assessment, June 2012, Hydro Tech Environmental.

## 2.3 Site Inspection

Mr. Mark Chin of Hydro Tech performed the site inspection on June 15, 2012. The reconnaissance included a visual inspection of the Site. At the time of the inspection, the Site consisted of 3 commercial buildings situated along the north side of West 36<sup>th</sup> Street. The property located at 511-515 West 36<sup>th</sup> Street contained a 6-story brick commercial building with a full basement. The property located at 517-519 West 36<sup>th</sup> Street contained a 3-story commercial building with a basement. The property located at 521-525 West 36<sup>th</sup> Street contained a 4-story commercial building with a basement. The ground surfaces consisted of concrete.

## 2.4 Areas of Concern

The AOCs identified for this site include: The AOCs identified for this site include:

1. The central portion of the Site due to the presence of a buried tank at 517-519 West 36<sup>th</sup> Street as listed on historical Sanborn Maps.
2. The western portion of the Site due to the historical use of 521-525 West 36<sup>th</sup> Street as an auto repair garage

The Phase 1 Report is presented in **Appendix A**. A map showing areas of concern is presented in **Figure 4**.

## **3.0 PROJECT MANAGEMENT**

### **3.1 Project Organization**

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mark E. Robbins.

### **3.2 Health and Safety**

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

### **3.3 Materials Management**

All material encountered during the RI was managed in accordance with applicable laws and regulations.

## 4.0 REMEDIAL INVESTIGATION ACTIVITIES

Hydro Tech Environmental performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed eight (8) soil borings across the entire project Site, and collected sixteen (16) soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed two (2) groundwater monitoring wells throughout the Site to establish groundwater flow and collected two (2) groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed five (5) soil vapor probes around Site perimeter and collected five (5) samples for chemical analysis to evaluate soil vapor quality.
5. One (1) ambient outdoor air sample was additionally collected for chemical analysis to evaluate ambient air quality.

All fieldwork was documented with photographs. **Appendix B** provides the investigation pictures.

### 4.1 Geophysical Investigation

A geophysical survey consisting of GPR survey was performed at the Site on September 3, 2014. The purpose of the GPR was to determine if any anomalies were present at the Site and to clear all sampling locations of any potential subsurface obstructions.

The survey was performed in all accessible portions of the Site over a grid pattern that was determined immediately prior to the survey. The GPR operator wheeled the antenna over the predetermined grid. The GPR takes one “scan” per set unit. The number of scans per unit is based upon the estimated size of targets.

As each scan is performed, the antenna emits specific radar amplitude into the subsurface. The amplitude of the radar reflected back to the antenna is based upon the differences in the dielectric constants of the subsurface materials. The differences in amplitude obtained during

each scan are graphically displayed on the Control Unit, which are then interpreted by the GPR operator. Additional interpretations are then conducted in the office using computer software.

The results of the GPR survey did not identify any anomalies at the Site.

## **4.2 Borings and Monitoring Wells**

### **Drilling and Soil Logging**

A total of eight (8) on-Site soil borings were installed in the approximate locations shown in **Figure 5** during the remedial investigation. The eight (8) soil borings were installed to 20 feet bgs or to refusal. SP-1 through SP-5 were installed using a geotechnical drill. SP-6 to SP-8 were installed utilizing Hydro Tech's portable Geoprobe®, a remotely operated hydraulic unit. This unit installs soil probes utilizing direct-push technology.

Soil samples were collected in all soil borings at 2-foot intervals utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. The Macro sampler allows for the collection of both continuous and discrete soil samples. Each sampler was installed with 1½-inch diameter drill rods. Groundwater was encountered between 11.60 feet below grade and 12.20 feet below grade during the installation of the soil borings.

The sample collection initially involved the installation of a Macro Core sampler to the desired sampling depth. A piston stop-pin was then removed from the top of the Macro Core sampler and then installed the length of the sampling interval. The sampler was then removed from the ground with the sample intact in the acetate liner. Continuous soil samples were collected during soil probe installation. A total of sixteen (16) soil samples were collected for laboratory analysis. A total of seven (7) shallow samples from zero to 2 feet bgs and one (1) shallow sample from 2 to 4 feet bgs were collected from the soil probes. A total of eight (8) deeper samples were collected from the probes as well. SP-1 through SP-6 began at grade. SP-7 was installed in the excavation pit. SP-8 was installed in the basement of 518-520 West 37<sup>th</sup> Street, Manhattan.

Separate aliquots of each soil sample were placed into airtight zip-lock bags. The Hydro Tech geologist then characterized each soil sample in the field. The soil characterization consisted of determining the soil classification utilizing the Unified Soil Classification System and screening each sample for organic vapors utilizing a Photoionization Detector (PID).

A PID makes use of the principle of photoionization for the detection and qualitative measurement of organic vapors. A PID does not respond to all compounds similarly, rather, each compound has its own response factor relative to its calibration. For this investigation, the PID was calibrated to the compound isobutylene, as published by the manufacturer. The PID has a minimum detection limit of 0.1 parts per million (ppm). This meter measures the hydrocarbon concentrations in isolated portions of the secured samples.

Headspace analyses were conducted on each soil sample by partially filling a zip-lock bag and sealing it, thereby creating a void. This void is referred to as the sample headspace. To facilitate the detection of any hydrocarbons contained within the headspace, the container was agitated for a period of 30 seconds. The probe of the PID was placed within the headspace to measure the organic vapors present.

Soil boring logs were prepared by a geologist are attached in **Appendix C**. A map showing the location of soil borings and monitor wells is shown in previous **Figure 5**.

### **Groundwater Monitoring Well Construction**

Two (2) groundwater monitoring wells were installed to determine water quality beneath the Site. The monitoring wells were installed utilizing direct push probe machine. The monitoring wells were constructed of 1-inch diameter PVC. The total depths of the monitoring wells are 30 feet below grade. The screened interval of the well consists of 10 feet 0.020-inch slot screen and is situated approximately 4 feet above the groundwater level and 6 feet below. The monitoring well construction details are included in **Appendix D**.

Monitoring well locations are shown in previous **Figure 5**.

### **Survey**

A land survey was used to identify the location of all soil borings and monitoring wells.

### **Water Level Measurement**

Groundwater head measurements were collected utilizing a Solinst 122 Oil/Water Interface Probe (Interface Probe). The Interface Probe can measure depths to water to 0.01 inch. The depth to water was measured in the well from the northern portion of the casing top. All three of the monitoring wells were installed in the basement of the building at the Subject Property. The groundwater was encountered between 11.60 to 12.20 feet below the basement slab at the Site.

### 4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

#### Soil Sampling

Sixteen (16) soil samples were collected for chemical analysis during this RI utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners.

The soil was screened and characterized at two-foot intervals. Soil samples were containerized and analyzed at a New York State Department of Health ELAP-certified laboratory. All soil samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260, semi-volatile compounds (SVOCs) via EPA Method 8270, pesticides/PCBs via EPA Method 8081/8082, TAL metals and chromium trivalent, chromium hexavalent.

All samples were properly handled and placed into the appropriately labeled containers. The samples were placed in a cooler filled with ice and maintained at a maximum 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a State-certified (ELAP) laboratory for confirmatory laboratory analyses.

All holding times were met. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in **Tables 1-4**. **Figure 5** shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

## Groundwater Sampling

Two (2) groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in **Tables 5-8**. Sampling logs with information on purging and sampling of groundwater monitor wells are included in **Appendix E**. **Figure 5** shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Each groundwater sample was placed into 2 pre-cleaned 40-milliliter (mL) vials, 2 pre-cleaned 500 mL plastic containers and 2 pre-cleaned 1,000 mL jars and appropriately labeled. The groundwater sample from the monitoring well was analyzed for volatile organic compounds (VOCs) via EPA Method 8260, semi-volatile organic compounds (SVOCs) via EPA Method 8270, Pesticides/PCBs via EPA Method 8081/8082, TAL Metals (filtered and non-filtered), Chromium Trivalent and Chromium Hexavalent.

## Soil Vapor Sampling

Five (5) soil vapor probes were installed and five (5) soil vapor samples were collected for chemical analysis during this RI. Additionally, one outdoor ambient air sample was collected. Soil vapor sampling locations are shown in **Figure 5**. Soil vapor sample collection data is reported in **Table 9**. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

A soil vapor sample from each soil vapor probe was collected utilizing 6-liter pre-cleaned, passivated, evacuated whole air Summa<sup>®</sup> Canister. A 12-inch by 12-inch piece of plastic sheeting was sealed with non-VOC elasomeric caulk around the edges over the sampling probe in order to keep the tracer gas in contact with the probe and the ambient air from entering the probe during testing.

The Summa Canisters were calibrated for 6 hours and the soil vapor sampling was run on each canister for a time period of 6 hours. The initial vacuum (inches of mercury) and start time was recorded immediately after opening each Summa Canister. After the sampling was complete, the final vacuum and top time was recorded.

After the soil vapor sampling, each Summa was labeled and sent to a laboratory certified to perform air analysis in New York State and analyzed for VOCs via EPA TO-15.

## Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

<b>Factor</b>	<b>Description</b>
Quality Assurance Officer	The chemical analytical quality assurance is directed by York Analytical Laboratories
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were York Analytical Laboratories
Chemical Analytical Methods	<p>Soil analytical methods:</p> <ul style="list-style-type: none"> <li>• TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> <li>• PCBs by EPA Method 8082A (rev. 2000);</li> </ul> <p>Groundwater analytical methods:</p> <ul style="list-style-type: none"> <li>• TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> <li>• PCBs by EPA Method 8082A (rev. 2000);</li> </ul> <p>Soil vapor analytical methods:</p> <ul style="list-style-type: none"> <li>• VOCs by TO-15 VOC parameters.</li> </ul>

## **Results of Chemical Analyses**

Laboratory data for soil, groundwater and soil vapor are summarized in **Tables 1-9**, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in **Appendices F-H**

## 5.0 ENVIRONMENTAL EVALUATION

### 5.1 Geological and Hydrogeological Conditions

#### Stratigraphy

The stratigraphy of the site, from the surface down, consists of a brown sand with trace brick, concrete, and asphalt fill followed by bedrock.

#### Hydrogeology

The average depth to groundwater is 11.9 feet bgs and the range in depth is 11.60 to 12.20 feet. Groundwater flow was not established.

### 5.2 Soil Chemistry

Soil/fill samples collected during the remedial investigation were compared to 6NYCRR Part 375-6.8 Track 1 Unrestricted Use Soil Cleanup Objectives (SCOs) and Track 2 Restricted Residential Use SCOs. Samples show no PCBs at concentrations greater than Unrestricted Use SCOs. Aroclor 1260 (0.0752 mg/kg) was detected in a deep soil sample at a concentration less than its SCO. The soil samples show 1,2,4-Trimethylbenzene (10 mg/kg) was detected in one deep soil sample at a concentration exceeding Track 1 Unrestricted SCOs but less than Track 2 Restricted Residential SCOs. There were no contaminants related to PCE or its degradation products detected in the samples.

Six Polycyclic Aromatic Hydrocarbon-range Semi-Volatile Organic Compounds (SVOCs), were detected at concentrations exceeding Restricted Residential Use SCOs including benzo(a)anthracene (maximum 32.7) in two shallow and three deep samples, benzo(a)pyrene (maximum 9.96 mg/kg) in one shallow and two deep soil samples, benzo(b)fluoranthene (maximum 10.1 mg/kg) in one shallow soil sample and one deep sample, chrysene (maximum 29.5 mg/kg) in two shallow samples and one deep sample, dibenzo(a,h)anthracene (maximum 5.38 mg/kg) in one shallow soil sample and one deep sample, and indeno(1,2,3-cd) pyrene (maximum 11.40 mg/kg) in one shallow and two deep soil samples. Two SVOCs were detected at concentrations exceeding Residential SCOs; including Benzo(k)fluoranthene (2.05 mg/kg) in one shallow sample, and Chrysene (maximum 2.54 mg/kg) in two deep soil samples. One SVOC, Benzo(k)fluoranthene (maximum 0.99 mg/kg), was detected in two deep soil samples at concentrations exceeding Track 1 Unrestricted SCOs but less than Track 2 Restricted Residential SCOs.

One pesticide, 4,4'-DDT (maximum 0.02 mg/kg) was detected in one shallow and three deep soil samples at concentrations exceeding Track 1 Unrestricted SCOs but less than Track 2 Restricted Residential SCOs. Mercury (maximum 2.2 mg/kg), Lead (maximum 1,590 mg/kg), Barium (maximum 488 mg/kg), and Manganese (1,770 mg/kg) were detected in several soil samples at concentrations exceeding Track 2 Residential SCOs. Zinc (maximum 470 mg/kg), Lead (117 mg/kg), and Copper (87.9 mg/kg) were detected in several soil samples at concentrations exceeding Track 1 Unrestricted SCOs but less than Track 2 Restricted Residential SCOs.

A summary table of data for chemical analyses performed on soil samples is included in **Tables 1-4**. **Figures 6-9** show the location and post the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

### **5.3 Groundwater Chemistry**

Groundwater samples collected during the RI show no PCBs or Pesticides exceeding Groundwater Quality Standards (GQS). Three VOCs were detected above their GQS, including 1,2,4-Trimethylbenzene (8.4ug/L) in one sample, Chloroform (maximum 7.1 ug/L) in two samples, and Naphthalene (24 ug/L) in one sample. Three SVOCs were detected above their GQs, including 2,4,5-Trichlorophenol (41.5 ug/L) in one sample, Fluorene (86.4 ug/L) in one sample, and Pentachlorophenol (maximum 384 ug/L) in two samples. Five metals, specifically; Chromium (84 ug/L), Copper (978 ug/L), Manganese (1,830 ug/L), Nickel (187 ug/L), and Sodium (maximum 189,000 ug/L) were detected in the groundwater samples at concentrations exceeding Groundwater Quality Standards (GQs). No free product was observed in any of the groundwater samples.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in **Tables 5-8**. Exceedances of applicable groundwater standards are shown. **Figures 10-12** show the locations and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

## 5.4 Soil Vapor Chemistry

The soil vapor and outdoor ambient air results collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Soil vapor results show a total of fifteen (15) VOCs including petroleum and chlorinated solvents related compounds at low concentrations. These VOCs included 1,1,1-Trichloroethane (maximum 6.2 ug/m<sup>3</sup>), 1,3,5-Trimethylbenzene (maximum 8.4 ug/m<sup>3</sup>), 1,2,4-Trichlorobenzene (maximum 30 ug/m<sup>3</sup>), Acetone (maximum 320 ug/m<sup>3</sup>), Benzene (maximum 14 ug/m<sup>3</sup>), Chloroform (maximum 47 ug/m<sup>3</sup>), Cyclohexane (maximum 9.9 ug/m<sup>3</sup>), Ethyl Benzene (maximum 17 ug/m<sup>3</sup>), Methylene Chloride (36 ug/m<sup>3</sup>), n-Hexane (maximum 75 ug/m<sup>3</sup>), o-Xylene (maximum 23 ug/m<sup>3</sup>), p-&m- Xylenes (maximum 68 ug/m<sup>3</sup>), Tetrachloroethylene (maximum 40 ug/m<sup>3</sup>), Tetrahydrofuran (maximum 5.8 ug/m<sup>3</sup>), Toluene (maximum 85 ug/m<sup>3</sup>), Trichloroethylene (maximum 36 ug/m<sup>3</sup>), and Trichlorofluoromethane (Freon 11) (maximum 120 ug/m<sup>3</sup>). Outdoor ambient air results show no VOCs detected at concentrations exceeding the NYSDOH soil-vapor intrusion guidelines.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in **Table 9**. **Figure 13** shows the location and posts the values for soil vapor samples with detected concentrations.

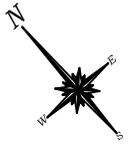
## 5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

## 5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

# **FIGURES**



ADJACENT 3-STORY  
COMMERCIAL

WEST 37th STREET

SIDEWALK

ADJACENT 1-STORY  
COMMERCIAL

FUTURE HUDSON PARK & BLVD

ADJACENT 6-STORY  
COMMERCIAL

SIDEWALK

WEST 36th STREET

ADJACENT  
VACANT LOT



SCALE IN FEET (FT.)



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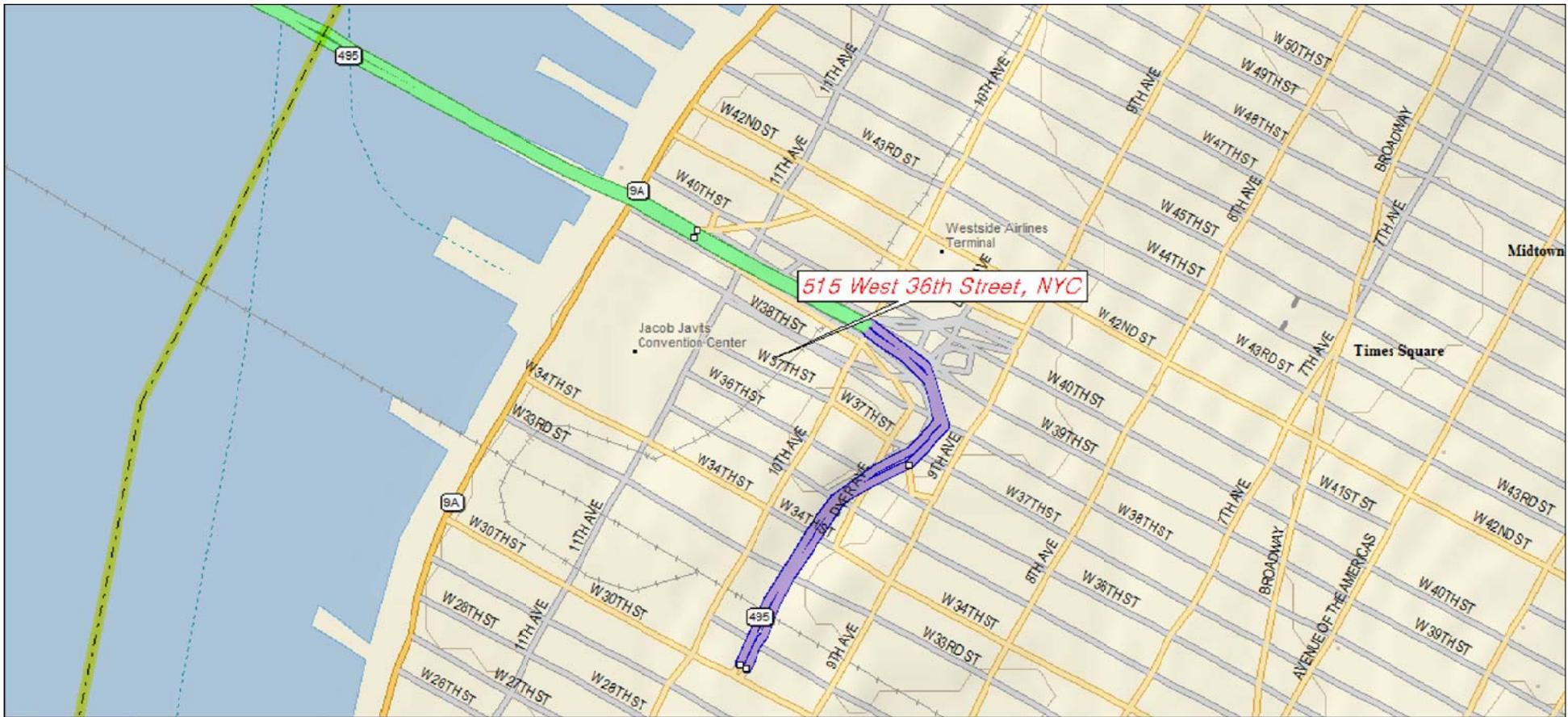
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Date: 11/03/14  
Scale: AS NOTED

TITLE:

FIGURE 1: SITE BOUNDARY MAP



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FIGURE 2: TOPOGRAPHIC MAP



ADJACENT 3-STORY  
COMMERCIAL

WEST 37th STREET

SIDEWALK

ADJACENT 1-STORY  
COMMERCIAL

FUTURE HUDSON PARK & BLVD

**PROPOSED 38-STORY  
BUILDING**

ADJACENT 6-STORY  
COMMERCIAL

SIDEWALK

WEST 36th STREET

ADJACENT  
VACANT LOT



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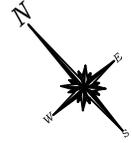
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Scale: AS NOTED

TITLE:

FIGURE 3: PROPOSED REDEVELOPMENT PLAN



ADJACENT 3-STORY  
COMMERCIAL

WEST 37th STREET

SIDEWALK

ADJACENT 1-STORY  
COMMERCIAL

FUTURE HUDSON PARK & BLVD

ADJACENT 6-STORY  
COMMERCIAL

SIDEWALK

WEST 36th STREET

ADJACENT  
VACANT LOT

LEGEND:

 AREA OF CONCERN

0' 20' 40' 60'  
SCALE IN FEET (FT.)



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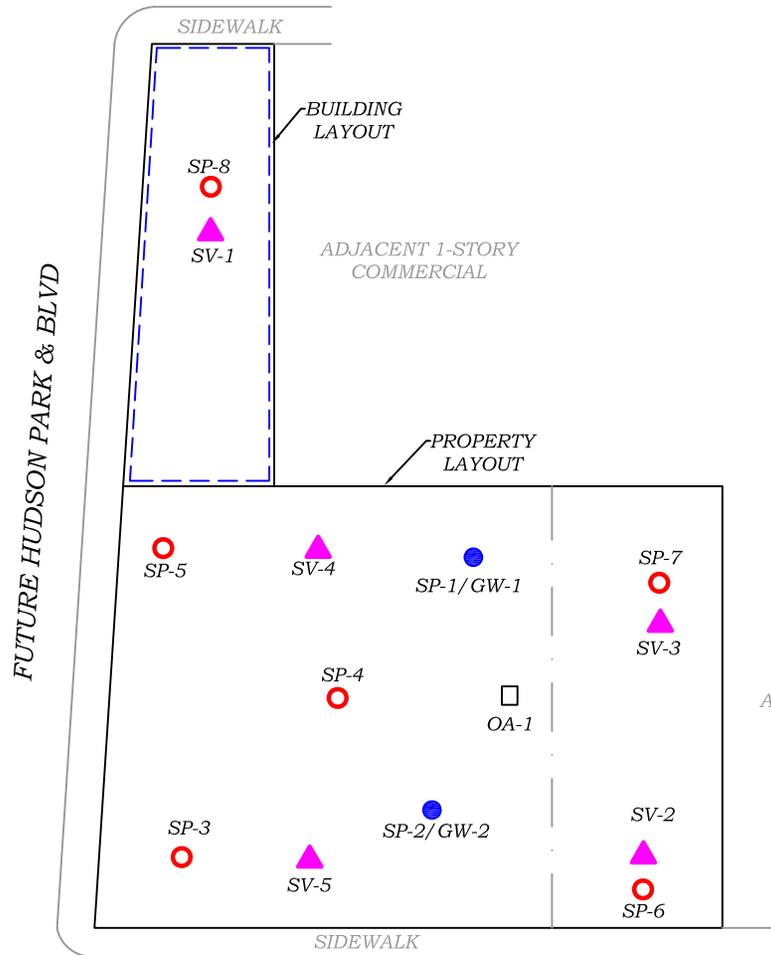
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Approved By: M.R.  
Date: 11/03/14  
Scale: AS NOTED

TITLE:

FIGURE 4: AREA OF CONCERN DIAGRAM

ADJACENT 3-STORY  
COMMERCIAL

WEST 37th STREET



LEGEND:

- SOIL PROBE LOCATIONS (SP)
- ▲ SOIL VAPOR PROBES LOCATIONS (SV)
- SOIL PROBES/MONITORING WELL LOCATIONS (SP/GW)
- OUTDOOR AMBIENT AIR (OA)

ADJACENT 6-STORY  
COMMERCIAL

WEST 36th STREET

ADJACENT  
VACANT LOT



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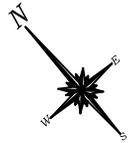
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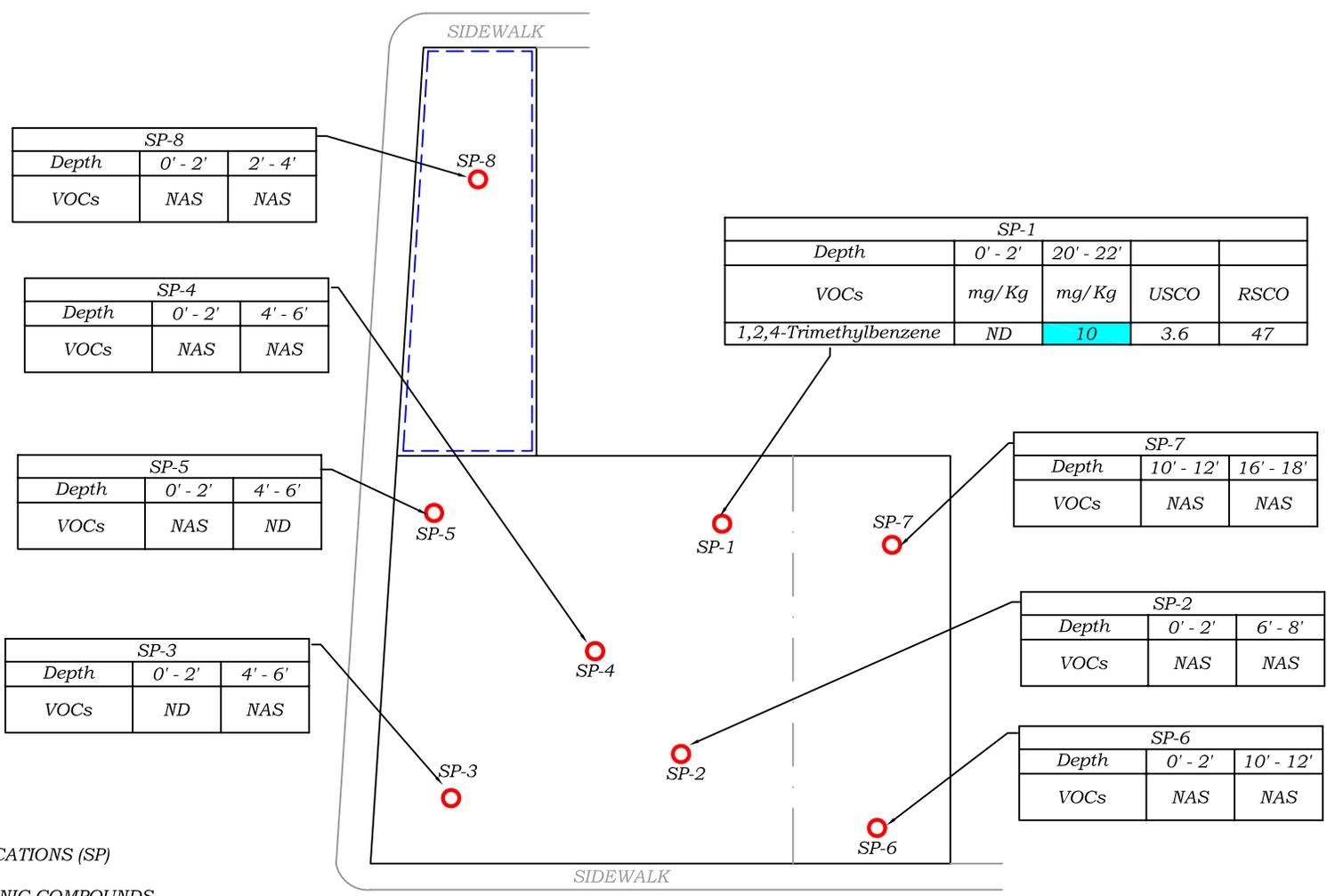
TITLE:

FIGURE 5: SAMPLING PLAN

WEST 37th STREET



FUTURE HUDSON PARK & BLVD



SP-8		
Depth	0' - 2'	2' - 4'
VOCs	NAS	NAS

SP-4		
Depth	0' - 2'	4' - 6'
VOCs	NAS	NAS

SP-5		
Depth	0' - 2'	4' - 6'
VOCs	NAS	ND

SP-3		
Depth	0' - 2'	4' - 6'
VOCs	ND	NAS

SP-1				
Depth	0' - 2'	20' - 22'		
VOCs	mg/Kg	mg/Kg	USCO	RSCO
1,2,4-Trimethylbenzene	ND	10	3.6	47

SP-7		
Depth	10' - 12'	16' - 18'
VOCs	NAS	NAS

SP-2		
Depth	0' - 2'	6' - 8'
VOCs	NAS	NAS

SP-6		
Depth	0' - 2'	10' - 12'
VOCs	NAS	NAS

LEGEND:

- SOIL PROBE LOCATIONS (SP)
- VOCs VOLATILE ORGANIC COMPOUNDS
- mg/Kg MILLIGRAMS PER KILOGRAM
- ND NONE DETECTED
- NAS NONE ABOVE STANDARDS
- USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO RESTRICTED USE SOIL CLEANUP OBJECTIVES
- SHADED VALUES EXCEED USCO



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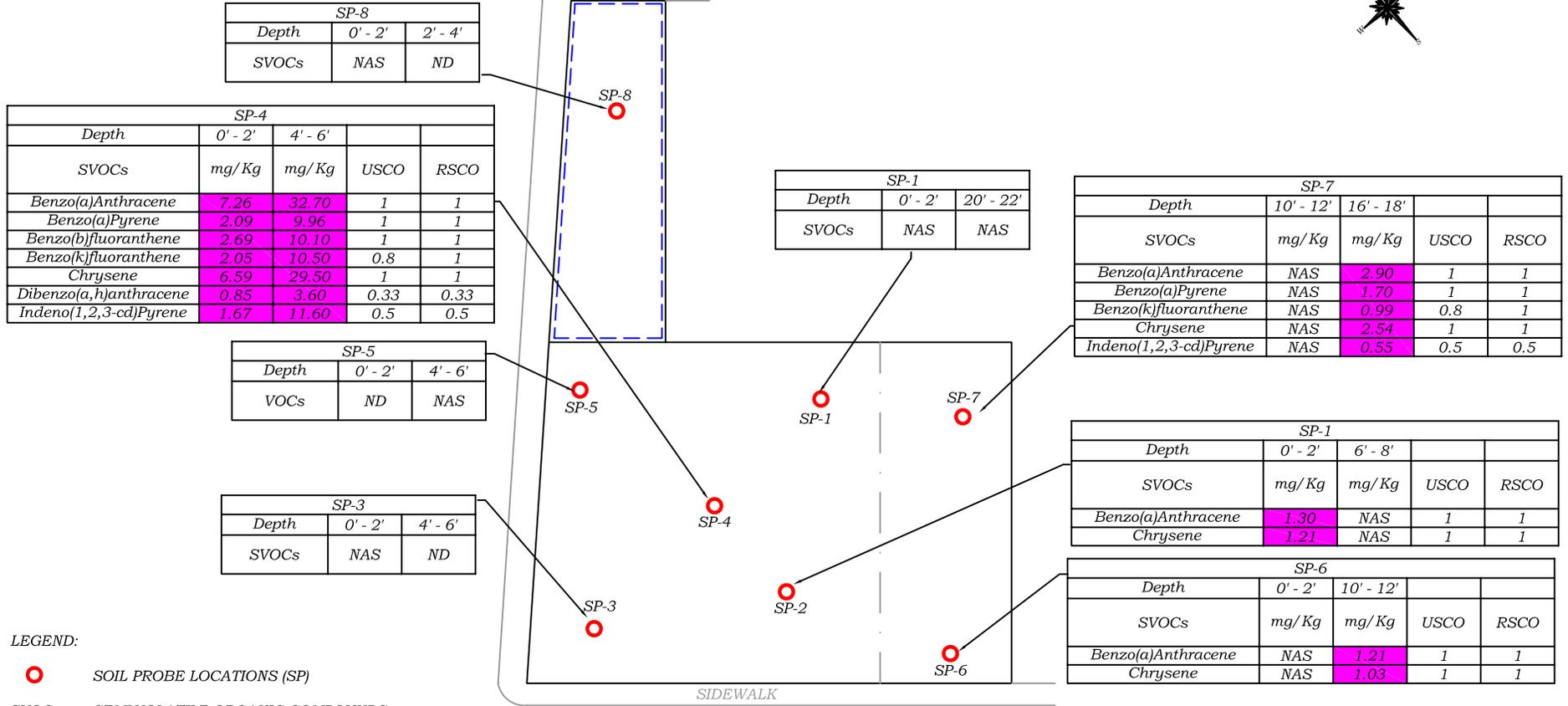
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 Approved By: M.R.  
 Date: 11/03/14  
 Scale: AS NOTED

TITLE:

FIGURE 6: DIAGRAM OF VOCs IN SOIL

FUTURE HUDSON PARK & BLVD

WEST 37th STREET



LEGEND:

- SOIL PROBE LOCATIONS (SP)
- SVOCs SEMI VOLATILE ORGANIC COMPOUNDS
- mg/Kg MILLIGRAMS PER KILOGRAM
- ND NONE DETECTED
- NAS NONE ABOVE STANDARDS
- USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO RESTRICTED USE SOIL CLEANUP OBJECTIVES
- SHADED VALUES EXCEED RSCO

WEST 36th STREET

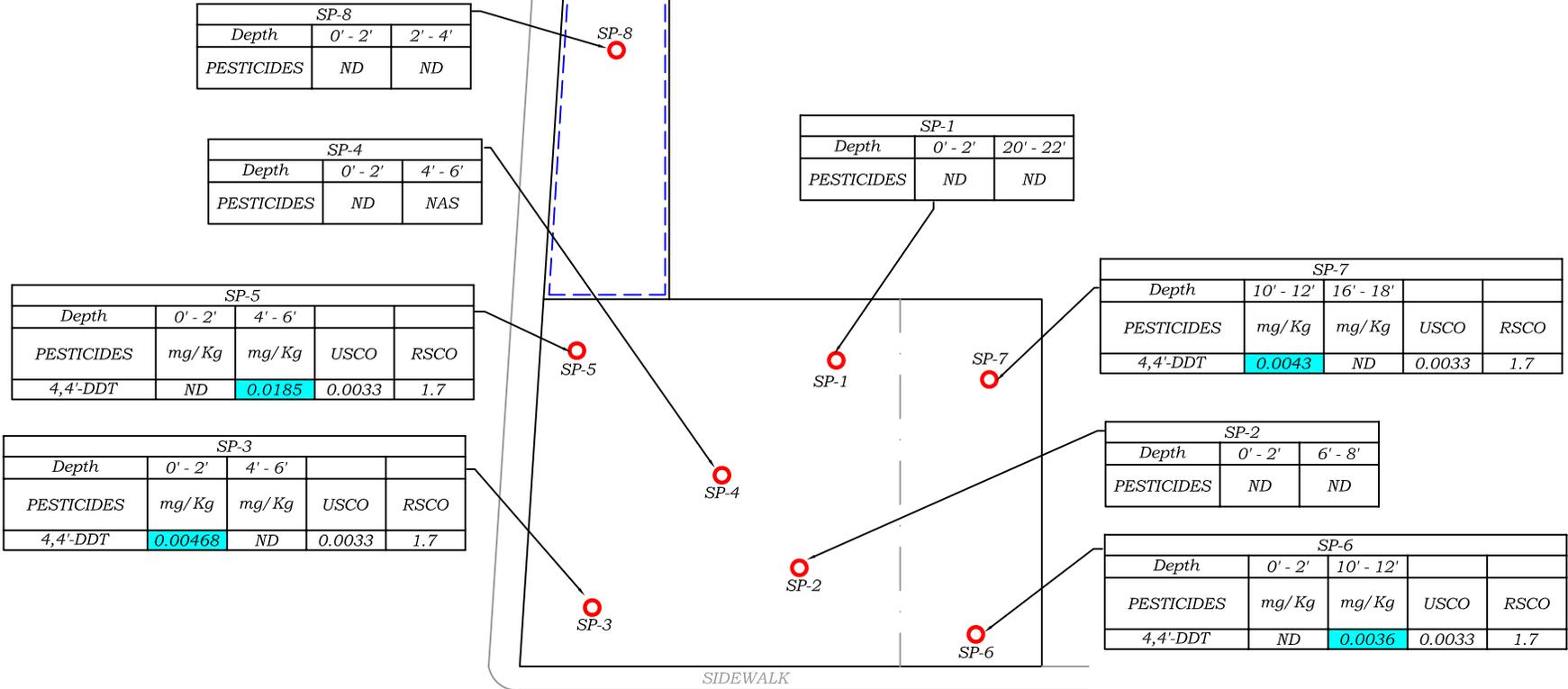


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					<b>Approved By:</b> M.R.
					<b>Date:</b> 11/03/14
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FIGURE 7: DIAGRAM OF SVOCs IN SOIL

FUTURE HUDSON PARK & BLVD

WEST 37th STREET



LEGEND:

- SOIL PROBE LOCATIONS (SP)
- mg/Kg MILLIGRAMS PER KILOGRAM
- ND NONE DETECTED
- NAS NONE ABOVE STANDARDS
- USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO RESTRICTED USE SOIL CLEANUP OBJECTIVES
- SHADED VALUES EXCEED USCO



WEST 36th STREET



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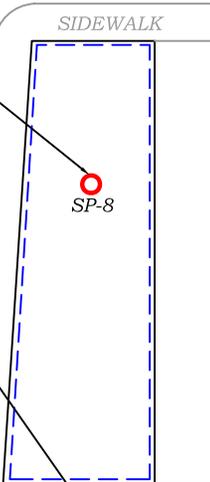
TITLE:

FIGURE 8: DIAGRAM OF PESTICIDES IN SOIL

WEST 37th STREET



SP-8		
Depth	0' - 2'	2' - 4'
METALS	NAS	NAS



FUTURE HUDSON PARK & BLVD

SP-4				
Depth	0' - 2'	4' - 6'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Barium	NAS	488	350	350
Copper	NAS	87.9	50	270
Lead	496	599	63	400
Mercury	0.404	0.905	0.18	0.81
Zinc	183	470	109	2,200

SP-1				
Depth	0' - 2'	20' - 22'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Manganese	NAS	1,770	1,600	2,000

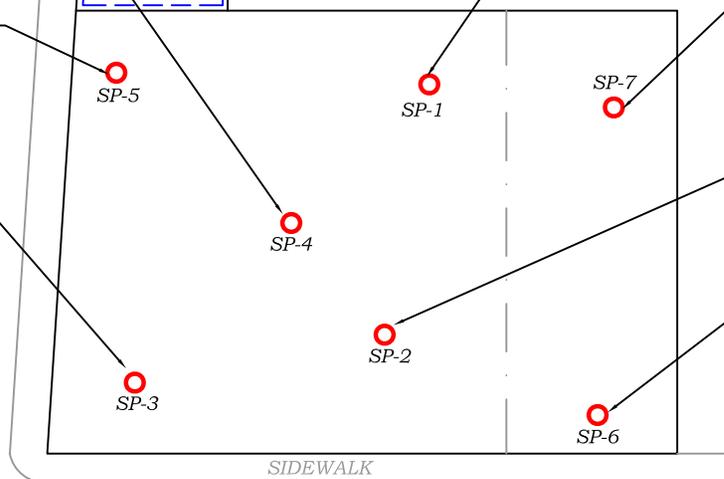
SP-7				
Depth	10' - 12'	16' - 18'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Mercury	0.354	NAS	0.18	0.81

SP-2				
Depth	0' - 2'	6' - 8'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Barium	393	NAS	350	350
Lead	1,590	847	63	400
Mercury	2.2	1.09	0.18	0.81
Zinc	158	170	109	2,200

SP-6				
Depth	0' - 2'	10' - 12'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Lead	NAS	117	63	400
Mercury	NAS	0.362	0.18	0.81

SP-5				
Depth	0' - 2'	4' - 6'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Lead	NAS	810	63	400
Mercury	NAS	2.15	0.18	0.81
Zinc	NAS	206	109	2,200

SP-3				
Depth	0' - 2'	4' - 6'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Mercury	0.344	0.0321	0.0033	1.7



LEGEND:

- SOIL PROBE LOCATIONS (SP)
- mg/Kg MILLIGRAMS PER KILOGRAM
- ND NONE DETECTED
- NAS NONE ABOVE STANDARDS
- USCO UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO RESTRICTED USE SOIL CLEANUP OBJECTIVES
- BLUE SHADED VALUES EXCEED USCO
- RED SHADED VALUES EXCEED RSCO

WEST 36th STREET



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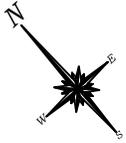
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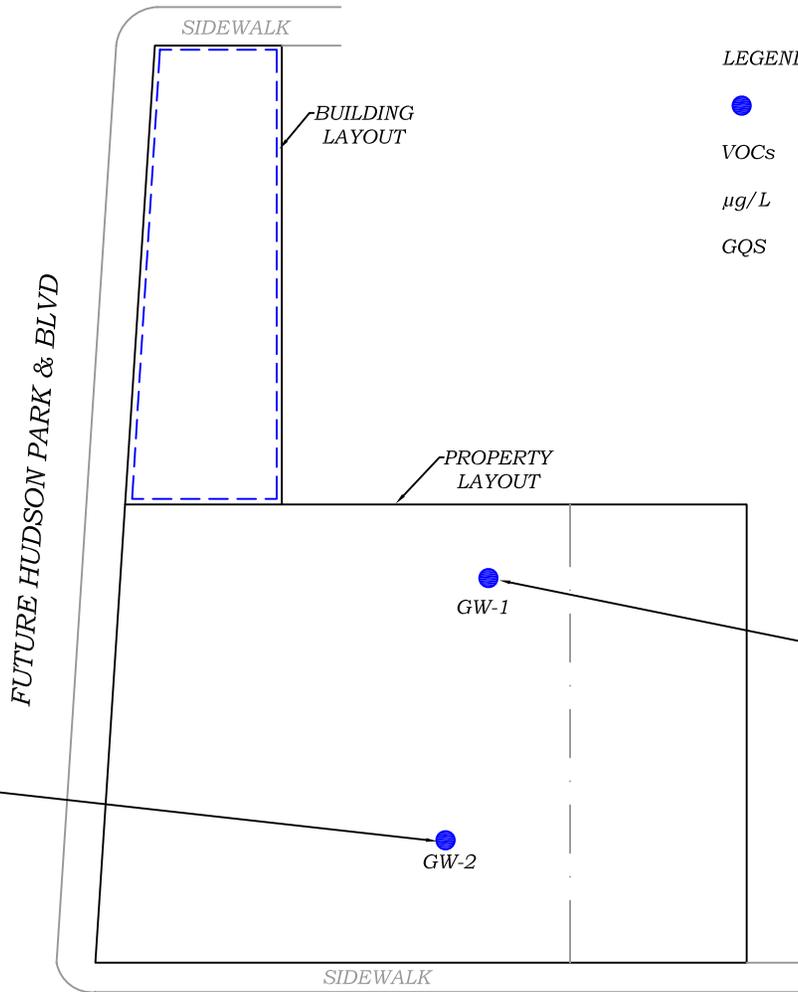
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 Scale: AS NOTED

TITLE:

FIGURE 9: DIAGRAM OF METALS IN SOIL



WEST 37th STREET



LEGEND:

- MONITORING WELL LOCATIONS (GW)
- VOCs VOLATILE ORGANIC COMPOUNDS
- µg/L MICROGRAMS PER LITER
- GQS GROUNDWATER QUALITY STANDARDS

GW-2		
VOCs	µg/L	GQS
1,2,4-Trimethylbenzene	8.4	5
Chloroform	7	7
Naphthalene	24	10

GW-1		
VOCs	µg/L	GQS
Chloroform	7.1	7

WEST 36th STREET



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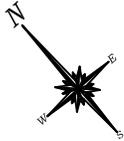
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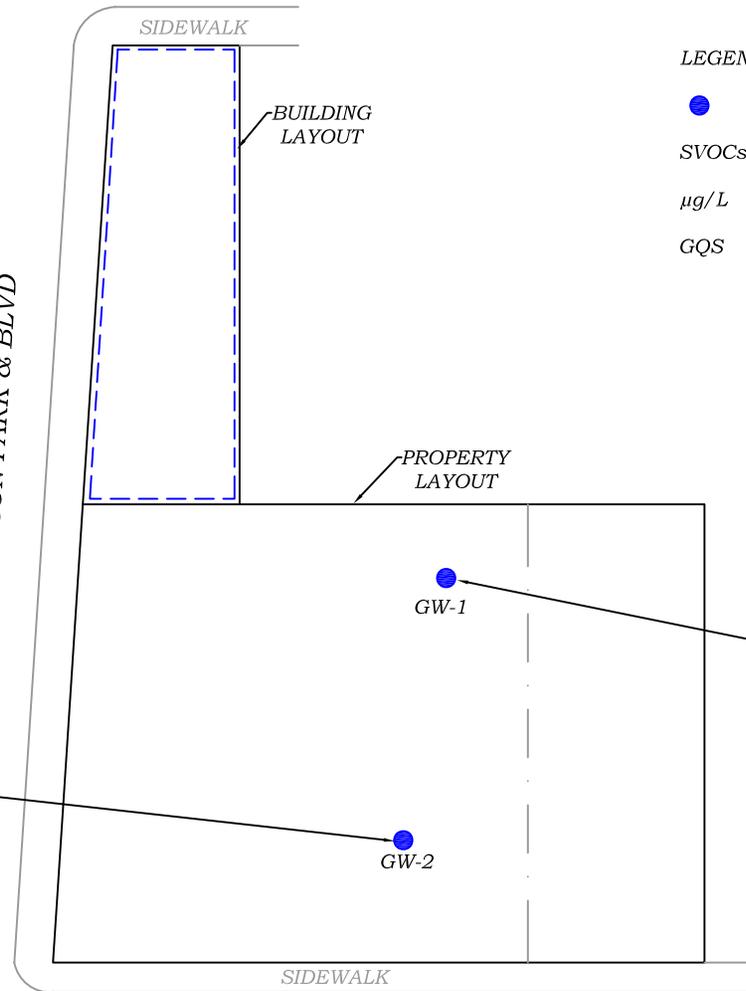
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FIGURE 10: DIAGRAM OF VOCs IN GROUNDWATER



WEST 37th STREET

FUTURE HUDSON PARK & BLVD



LEGEND:

- MONITORING WELL LOCATIONS (GW)
- SVOCs SEMI VOLATILE ORGANIC COMPOUNDS
- μg/L MICROGRAMS PER LITER
- GQS GROUNDWATER QUALITY STANDARDS

GW-2		
SVOCs	μg/L	GQS
2,4,5-Trichlorophenol	41.50	1

GW-1		
SVOCs	μg/L	GQS
Fluorene	86.40	50
Pentachlorophenol	294	1

WEST 36th STREET



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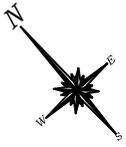
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511-525 West 36th Street  
 New York, NY.  
 HTE Job # 140145

Drawn By: C.Q.  
 Reviewed By: M.R.  
 Approved By: M.R.  
 Date: 11/03/14  
 Scale: AS NOTED

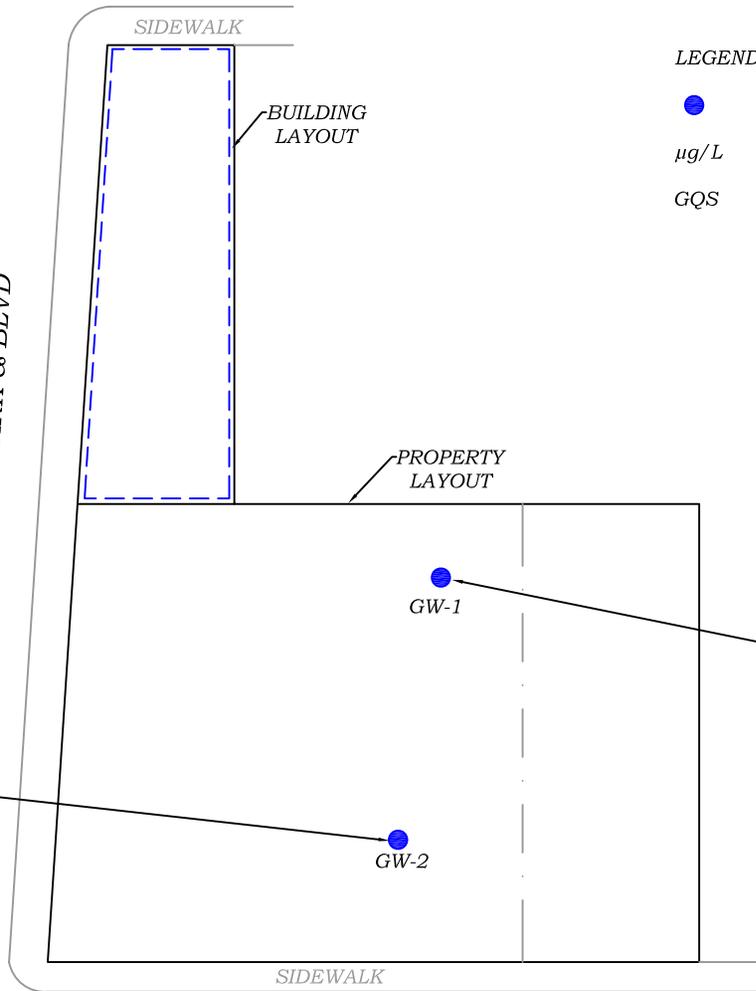
TITLE:

FIGURE 11: DIAGRAM OF SVOCs IN GROUNDWATER



WEST 37th STREET

FUTURE HUDSON PARK & BLVD



LEGEND:

- MONITORING WELL LOCATIONS (GW)
- μg/L MICROGRAMS PER LITER
- GQS GROUNDWATER QUALITY STANDARDS

GW-2		
METALS	μg/L	GQS
Manganese	1,750	300
Sodium	189,000	20,000

GW-1		
METALS	μg/L	GQS
Chromium	84	50
Copper	978	200
Manganese	1,830	300
Nickel	187	100
Sodium	35,300	20,000

WEST 36th STREET



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TITLE:

FIGURE 12: DIAGRAM OF METALS IN GROUNDWATER



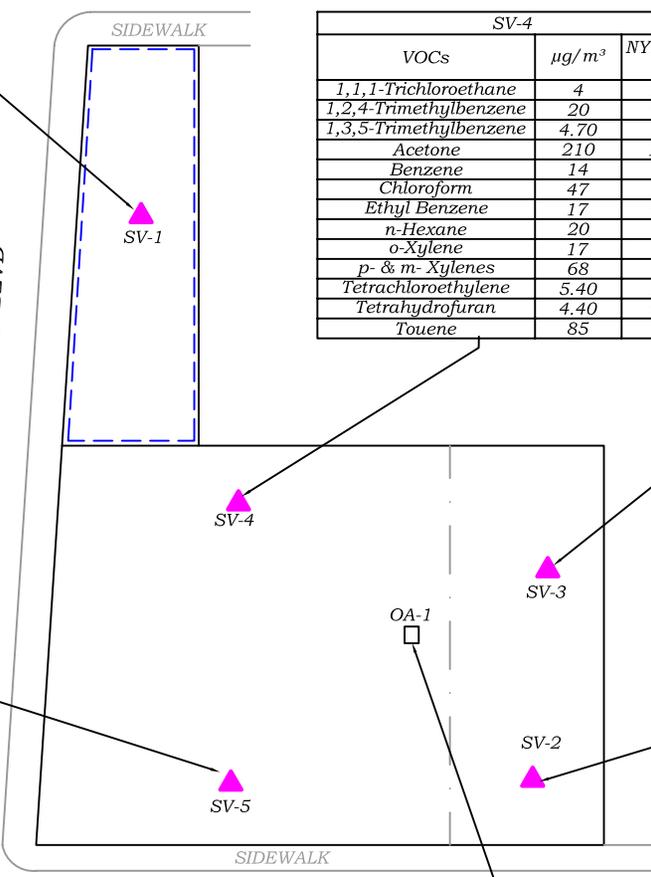
SV-1		
VOCs	$\mu\text{g}/\text{m}^3$	NYSDOH BS
1,1,1-Trichloroethane	6.20	2.5
1,2,4-Trimethylbenzene	30	9.8
1,3,5-Trimethylbenzene	8.40	3.9
Chloroform	36	1.2
Cyclohexane	9.50	6.3
Ethyl Benzene	12	6.4
n-Hexane	22	14
o-Xylene	23	7.1
p- & m- Xylenes	51	11
Tetrachloroethylene	40	2.5
Tetrahydrofuran	5	0.8
Trichloroethylene	36	0.5

WEST 37th STREET

SIDEWALK

SV-4		
VOCs	$\mu\text{g}/\text{m}^3$	NYSDOH BS
1,1,1-Trichloroethane	4	2.5
1,2,4-Trimethylbenzene	20	9.8
1,3,5-Trimethylbenzene	4.70	3.9
Acetone	210	115
Benzene	14	13
Chloroform	47	1.2
Ethyl Benzene	17	6.4
n-Hexane	20	14
o-Xylene	17	7.1
p- & m- Xylenes	68	11
Tetrachloroethylene	5.40	2.5
Tetrahydrofuran	4.40	0.8
Touene	85	57

FUTURE HUDSON PARK & BLVD



SV-5		
VOCs	$\mu\text{g}/\text{m}^3$	NYSDOH BS
1,2,4-Trimethylbenzene	19	9.8
1,3,5-Trimethylbenzene	4.70	3.9
Acetone	180	115
Benzene	13	13
Chloroform	13	1.2
Cyclohexane	9.90	6.3
Ethyl Benzene	13	6.4
n-Hexane	40	14
o-Xylene	15	7.1
p- & m- Xylenes	55	11
Tetrachloroethylene	2.80	2.5
Tetrahydrofuran	5.80	0.8
Touene	64	57

SV-3		
VOCs	$\mu\text{g}/\text{m}^3$	NYSDOH BS
1,1,1-Trichloroethane	2.80	2.5
1,2,4-Trimethylbenzene	14	9.8
Acetone	320	115
Chloroform	15	1.2
Ethyl Benzene	15	6.4
o-Xylene	16	7.1
p- & m- Xylenes	62	11
Tetrahydrofuran	55	0.8
Toluene	73	57
Trichlorofluoromethane	120	12

SV-2		
VOCs	$\mu\text{g}/\text{m}^3$	NYSDOH BS
1,1,1-Trichloroethane	3	2.5
1,2,4-Trimethylbenzene	16	9.8
1,3,5-Trimethylbenzene	5.90	3.9
Acetone	140	115
Chloroform	13	1.2
Ethyl Benzene	7.40	6.4
Methylene Chloride	36	16
n-Hexane	75	14
o-Xylene	11	7.1
p- & m- Xylenes	35	11
Tetrachloroethylene	7.70	2.5
Tetrahydrofuran	4.90	0.8
Trichloroethylene	1.70	0.5
Trichlorofluoromethane	15	12

OA-1	
VOCs	NAS

WEST 36th STREET

- LEGEND:**
- ▲ SOIL VAPOR PROBES LOCATIONS (SV)
  - OUTDOOR AMBIENT AIR (OA)
  - VOCs VOLATILE ORGANIC COMPOUNDS
  - $\mu\text{g}/\text{m}^3$  MICROGRAMS PER CUBIC METER
  - NAS NONE ABOVE STANDARDS
  - NYSDOH NEW YORK STATE DEPART. OF HEALTH
  - BS BACKGROUND STANDARD



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 Reviewed By: M.R.  
 Approved By: M.R.  
 Date: 11/03/14  
 Scale: AS NOTED

TITLE:  
 FIGURE 13: DIAGRAM OF VOCs IN SOIL VAPOR

# **TABLES**



Table 2  
Soil Samples Analytical Results for SVOCs  
511-515, 517-519 & 521-525 West 36th Street & 518-520 West 37th St, NY, NY

Sample ID	SP-1 (0-2)		SP-1 (20-22)		SP-2 (0-2)		SP-2 (6-8)		SP-3 (0-2)		SP-3 (4-6)		SP-4 (0-2)		SP-4 (4-6)		SP-5 (0-2)		SP-5 (4-6)		SP-6 (0-2)		SP-6 (10-12)		SP-7 (10-12)		SP-7 (16-18)		SP-8 (0-2)		SP-8 (2-4)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential		
Sampling Date	9/3/2014		9/3/2014		9/4/2014		9/4/2014		9/5/2014		9/5/2014		9/5/2014		9/5/2014		9/5/2014		9/5/2014		9/11/2014		9/12/2014		9/11/2014		9/12/2014		9/12/2014		9/12/2014						
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil						
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		mg/Kg	mg/Kg	mg/Kg
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg			
1,2,4-Trichlorobenzene	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
1,2-Dichlorobenzene	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	1.1	100	100		
1,3-Dichlorobenzene	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	2.4	17	49		
1,4-Dichlorobenzene	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	1.8	9.8	13		
2,4,5-Trichlorophenol	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
2,4,6-Trichlorophenol	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
2,4-Dichlorophenol	<0.137	U	<0.148	U	<0.29	U	<0.152	U	<0.138	U	<0.135	U	<0.694	U	<3.64	U	<0.138	U	<0.271	U	<0.869	U	<0.897	U	<0.0923	U	<0.439	U	<0.0866	U	<0.0862	U	NS	NS	NS		
2,4-Dimethylphenol	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
2,4-Dinitrophenol	<0.273	U	<0.293	U	<0.577	U	<0.302	U	<0.275	U	<0.268	U	<1.38	U	<7.24	U	<0.275	U	<0.538	U	<1.73	U	<1.78	U	<0.184	U	<0.873	U	<0.172	U	<0.171	U	NS	NS	NS		
2,4-Dinitrotoluene	<0.137	U	<0.148	U	<0.29	U	<0.152	U	<0.138	U	<0.135	U	<0.694	U	<3.64	U	<0.138	U	<0.271	U	<0.869	U	<0.897	U	<0.0923	U	<0.439	U	<0.0866	U	<0.0862	U	NS	NS	NS		
2,6-Dinitrotoluene	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
2-Chloronaphthalene	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
2-Chlorophenol	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
2-Methylnaphthalene	<0.0686	U	<b>0.27</b>	<b>J</b>	<b>0.15</b>	<b>JD</b>	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<b>0.055</b>	<b>J</b>	<b>0.44</b>	<b>JD</b>	<0.0433	U	<0.0431	U	NS	NS	NS		
2-Methylphenol	<0.137	U	<0.148	U	<0.29	U	<0.152	U	<0.138	U	<0.135	U	<0.694	U	<3.64	U	<0.138	U	<0.271	U	<0.869	U	<0.897	U	<0.0923	U	<0.439	U	<0.0866	U	<0.0862	U	0.33	100	100		
2-Nitroaniline	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
2-Nitrophenol	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
3- & 4-Methylphenols	<0.137	U	<0.148	U	<0.29	U	<0.152	U	<0.138	U	<0.135	U	<0.694	U	<3.64	U	<0.138	U	<0.271	U	<0.869	U	<0.897	U	<0.0923	U	<0.439	U	<0.0866	U	<0.0862	U	NS	NS	NS		
3,3'-Dichlorobenzidine	<0.273	U	<0.293	U	<0.577	U	<0.302	U	<0.275	U	<0.268	U	<1.38	U	<7.24	U	<0.275	U	<0.538	U	<1.73	U	<1.78	U	<0.184	U	<0.873	U	<0.172	U	<0.171	U	NS	NS	NS		
3-Nitroaniline	<0.137	U	<0.148	U	<0.29	U	<0.152	U	<0.138	U	<0.135	U	<0.694	U	<3.64	U	<0.138	U	<0.271	U	<0.869	U	<0.897	U	<0.0923	U	<0.439	U	<0.0866	U	<0.0862	U	NS	NS	NS		
4,6-Dinitro-2-methylphenol	<0.137	U	<0.148	U	<0.29	U	<0.152	U	<0.138	U	<0.135	U	<0.694	U	<3.64	U	<0.138	U	<0.271	U	<0.869	U	<0.897	U	<0.0923	U	<0.439	U	<0.0866	U	<0.0862	U	NS	NS	NS		
4-Bromophenyl phenyl ether	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
4-Chloro-3-methylphenol	<0.137	U	<0.148	U	<0.29	U	<0.152	U	<0.138	U	<0.135	U	<0.694	U	<3.64	U	<0.138	U	<0.271	U	<0.869	U	<0.897	U	<0.0923	U	<0.439	U	<0.0866	U	<0.0862	U	NS	NS	NS		
4-Chloroaniline	<0.137	U	<0.148	U	<0.29	U	<0.152	U	<0.138	U	<0.135	U	<0.694	U	<3.64	U	<0.138	U	<0.271	U	<0.869	U	<0.897	U	<0.0923	U	<0.439	U	<0.0866	U	<0.0862	U	NS	NS	NS		
4-Chlorophenyl phenyl ether	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	NS	NS	NS		
4-Nitroaniline	<0.137	U	<0.148	U	<0.29	U	<0.152	U	<0.138	U	<0.135	U	<0.694	U	<3.64	U	<0.138	U	<0.271	U	<0.869	U	<0.897	U	<0.0923	U	<0.439	U	<0.0866	U	<0.0862	U	NS	NS	NS		
4-Nitrophenol	<0.137	U	<0.148	U	<0.29	U	<0.152	U	<0.138	U	<0.135	U	<0.694	U	<3.64	U	<0.138	U	<0.271	U	<0.869	U	<0.897	U	<0.0923	U	<0.439	U	<0.0866	U	<0.0862	U	NS	NS	NS		
Acenaphthene	<0.0686	U	<0.0738	U	<b>0.41</b>	<b>JD</b>	<0.0759	U	<0.069	U	<0.0674	U	<b>0.63</b>	<b>JD</b>	<b>2.01</b>	<b>JD</b>	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<b>0.16</b>	<b>J</b>	<b>0.87</b>	<b>D</b>	<0.0433	U	<0.0431	U	20	100	100		
Acenaphthylene	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<b>6.93</b>	<b>JD</b>	<0.0691	U	<0.135	U	<0.435	U	<0.449	U	<0.0462	U	<0.22	U	<0.0433	U	<0.0431	U	100	100	100		
Aniline	<0.0686	U	<0.0738	U	<0.145	U	<0.0759	U	<0.069	U	<0.0674	U	<0.347	U	<1.82	U	<0.0691	U																			

Table 3

Soil Samples Analytical Results for PCBs & Pesticides

511-515, 517-519 & 521-525 West 36th Street & 518-520 West 37th St, NY, NY

Sample ID	SP-1 (0-2)		SP-1 (20-22)		SP-2 (0-2)		SP-2 (6-8)		SP-3 (0-2)		SP-3 (4-6)		SP-4 (0-2)		SP-4 (4-6)		SP-5 (0-2)		SP-5 (4-6)		SP6 (0-2)		SP6 (10-12)		SP7 (10-12)		SP7 (16-18)		SP8 (0-2)		SP8 (2-4)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - mg/Kg
Sampling Date	9/3/2014		9/3/2014		9/4/2014		9/4/2014		9/5/2014		9/5/2014		9/5/2014		9/5/2014		9/5/2014		9/5/2014		9/11/2014		9/12/2014		9/11/2014		9/12/2014		9/12/2014		9/12/2014				
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		mg/Kg	mg/Kg	mg/Kg		
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result					mg/Kg	mg/Kg
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg		
4,4'-DDD	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	<0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.0033	2.6	13
4,4'-DDE	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	<0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.0033	1.8	8.9
4,4'-DDT	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00468	D	<0.00265	U	<0.00273	U	0.003	D	<0.00271	U	0.0185	D	<0.00256	U	0.0036	D	0.0043	D	<0.00259	U	<0.00255	U	<0.00254	U	0.0033	1.7	7.9
Aldrin	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	<0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.005	0.019	0.097
alpha-BHC	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	<0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.02	0.097	0.48
alpha-Chlordane	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	<0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.094	0.91	4.2
Aroclor 1016	<0.0272	U	0.0293	U	<0.0288	U	<0.0301	U	<0.0274	U	<0.0267	U	<0.0275	U	<0.0289	U	<0.0274	U	<0.0269	U	<0.0259	U	<0.0267	U	<0.0275	U	<0.0261	U	<0.0258	U	<0.0254	U	NS	NS	NS
Aroclor 1221	<0.0272	U	<0.0293	U	<0.0288	U	<0.0301	U	<0.0274	U	<0.0267	U	<0.0275	U	<0.0289	U	<0.0274	U	<0.0269	U	<0.0259	U	<0.0267	U	<0.0275	U	<0.0261	U	<0.0258	U	<0.0254	U	NS	NS	NS
Aroclor 1232	<0.0272	U	<0.0293	U	<0.0288	U	<0.0301	U	<0.0274	U	<0.0267	U	<0.0275	U	<0.0289	U	<0.0274	U	<0.0269	U	<0.0259	U	<0.0267	U	<0.0275	U	<0.0261	U	<0.0258	U	<0.0254	U	NS	NS	NS
Aroclor 1242	<0.0272	U	<0.0293	U	<0.0288	U	<0.0301	U	<0.0274	U	<0.0267	U	<0.0275	U	<0.0289	U	<0.0274	U	<0.0269	U	<0.0259	U	<0.0267	U	<0.0275	U	<0.0261	U	<0.0258	U	<0.0254	U	NS	NS	NS
Aroclor 1248	<0.0272	U	<0.0293	U	<0.0288	U	<0.0301	U	<0.0274	U	<0.0267	U	<0.0275	U	<0.0289	U	<0.0274	U	<0.0269	U	<0.0259	U	<0.0267	U	<0.0275	U	<0.0261	U	<0.0258	U	<0.0254	U	NS	NS	NS
Aroclor 1254	<0.0272	U	<0.0293	U	<0.0288	U	<0.0301	U	<0.0274	U	<0.0267	U	<0.0275	U	<0.0289	U	<0.0274	U	<0.0269	U	<0.0259	U	<0.0267	U	<0.0275	U	<0.0261	U	<0.0258	U	<0.0254	U	NS	NS	NS
Aroclor 1260	<0.0272	U	<0.0293	U	<0.0288	U	<0.0301	U	<0.0274	U	<0.0267	U	<0.0275	U	<0.0289	U	<0.0274	U	0.0752		<0.0259	U	<0.0267	U	<0.0275	U	<0.0261	U	<0.0258	U	<0.0254	U	NS	NS	NS
beta-BHC	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	<0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.036	0.072	0.36
Chlordane, total	0.11	U	<0.116	U	0.114	U	<0.119	U	<0.108	U	<0.106	U	<0.109	U	<0.115	U	<0.109	U	<0.106	U	<0.102	U	<0.106	U	<0.109	U	<0.104	U	<0.102	U	<0.102	U	NS	NS	NS
delta-BHC	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.04	100	100
Dieldrin	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.005	0.039	0.2
Endosulfan I	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	2.4	4.8	24
Endosulfan II	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	2.4	4.8	24
Endosulfan sulfate	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	2.4	4.8	24
Endrin	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.014	2.2	11
Endrin aldehyde	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	NS	NS	NS
Endrin ketone	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	NS	NS	NS
gamma-BHC (Lindane)	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.1	0.28	1.3
gamma-Chlordane	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	NS	NS	NS
Heptachlor	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	0.042	0.42	2.1
Heptachlor epoxide	<0.0027	U	<0.0029	U	<0.00285	U	<0.00298	U	0.00271	U	<0.00265	U	<0.00273	U	<0.00286	U	<0.00271	U	<0.00266	U	<0.00256	U	<0.00264	U	<0.00272	U	<0.00259	U	<0.00255	U	<0.00254	U	NS	NS	NS
Methoxychlor	<0.0135	U	<0.0145	U	<0.0143	U	<0.0149	U	<0.0136	U	<0.0132	U	<0.0136	U	<0.0143	U	<0.0136	U	<0.0133	U	<0.0128	U	<0.0132	U	<0.0136	U	<0.0129	U	<						

**Table 4**  
**Soil Samples Analytical Results for VOCs**  
**511-515, 517-519 & 521-525 West 36th Street & 518-520 West 37th St, NY, NY**

Sample ID	SP-1 (0-2)		SP-1 (20-22)		SP-2 (0-2)		SP-2 (6-8)		SP-3 (0-2)		SP-3 (4-6)		SP-4 (0-2)		SP-4 (4-6)		SP-5 (0-2)		SP-5 (4-6)		SP6 (0-2)		SP6 (10-12)		SP7 (10-12)		SP7 (16-18)		SP8 (0-2)		SP8 (2-4)		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential
	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result	Soil	Result			
Aluminum	7910		1890		4300		5060		6800		4450		4980		5890		8850		6800		6340		8020		6960		6510		3910		3920		NS	NS	NS
Antimony	<0.545	U	<0.586	U	<0.576	U	<0.602	U	<0.548	U	<0.535	U	0.699		0.791		<0.548	U	<0.537	U	<0.517	U	<0.534	U	<0.55	U	<0.523	U	<0.515	U	<0.513	U	NS	NS	NS
Arsenic	2.2		<1.17	U	4.52		4.13		2.5		1.53		4.94		8.76		1.68		6.92		1.83		2.94		2.15		1.96		2.06		1.35		13	16	16
Barium	71.4		194		393		211		136		128		219		488		54.1		239		62		65.2		96.2		64.1		102		105		350	350	400
Beryllium	<0.109	U	<0.117	U	<0.115	U	<0.12	U	<0.11	U	<0.107	U	<0.11	U	<0.116	U	<0.11	U	<0.107	U	<0.103	U	<0.107	U	<0.11	U	<0.105	U	<0.103	U	<0.103	U	7.2	14	72
Cadmium	<0.327	U	<0.351	U	<0.346	U	<0.361	U	<0.329	U	<0.321	U	<0.331	U	<0.347	U	<0.329	U	<0.322	U	<0.31	U	<0.32	U	<0.33	U	<0.314	U	<0.309	U	<0.308	U	2.5	2.5	4.3
Calcium	2440		1220		62000		36900		3920		1100		52600		38500		1030		27100		2420		7110		18100		2720		5220		1310		NS	NS	NS
Chromium	16.7		21.4		18.1		10.8		17.7		13.5		11.4		20.2		12.6		15.5		14.2		13.2		12.5		12.6		9.45		10.2		NS	NS	NS
Chromium, Hexavalent	<0.545	U	<0.586	U	<0.576	U	<0.602	U	<0.548	U	<0.535	U	<0.551	U	<0.578	U	<0.548	U	<0.537	U	<0.517	U	<0.534	U	<0.55	U	<0.523	U	<0.515	U	<0.513	U	1	22	110
Chromium, Trivalent	15.3		18.3		15.7		8.94		16.2		12.6		10.3		17.4		11.5		14.4		14.2		13.2		12.5		12.6		9.45		10.2		30	36	180
Cobalt	5.36		3.05		3.85		4.65		6.51		6.99		4.63		5.89		4.53		7.07		4.84		5.74		5.56		5.14		4.83		6.12		NS	NS	NS
Copper	31		7.3		18		25.7		17.8		11.5		30.3		87.9		5.74		43.2		13		17.1		18.7		14.3		15.1		12.2		50	270	270
Iron	13200		5610		10100		12600		13500		10000		15800		15600		9650		11000		14300		13500		12300		13100		9980		11800		NS	NS	NS
Lead	42.8		2.63		1590		847		41.3		5.16		496		599		13.8		810		35.7		117		60.3		38.2		20		4.39		63	400	400
Magnesium	2500		931		2970		2560		2600		1770		2240		3630		1570		3090		2080		3090		4060		2110		1720		1830		NS	NS	NS
Manganese	159		1770		169		177		355		475		176		233		100		248		252		299		471		332		185		149		1600	2000	2000
Mercury	0.0894		<0.0351	U	2.2		1.09		0.344		0.0321		0.404		0.905		0.0743		2.15		0.083		0.362		0.354		0.0982		0.0603		<0.0308	U	0.18	0.81	0.81
Nickel	14.7		9.23		15.2		14.2		17.8		18.2		19.5		17.5		10.3		27.1		14.2		15.1		17.2		13.7		11.6		15.9		30	140	310
Potassium	1280		644		1380		825		2110		1560		1230		1590		480		1450		1130		1360		1960		1250		917		1050		NS	NS	NS
Selenium	<1.09	U	<1.17	U	<1.15	U	<1.2	U	1.1	U	<1.07	U	<1.1	U	<1.16	U	<1.1	U	<1.07	U	1.33		1.19		<1.1	U	1.17		<1.03	U	<1.03	U	3.9	36	180
Silver	<0.545	U	<0.586	U	<0.576	U	<0.602	U	0.548	U	<0.535	U	<0.551	U	<0.578	U	<0.548	U	<0.537	U	<0.517	U	<0.534	U	<0.55	U	<0.523	U	<0.515	U	<0.513	U	2	36	180
Sodium	190		88.7		286		215		164		286		260		217		69.9		216		240		315		353		179		161		116		NS	NS	NS
Thallium	<1.09	U	<1.17	U	<1.15	U	<1.2	U	1.1	U	<1.07	U	<1.1	U	<1.16	U	<1.1	U	<1.07	U	<1.03	U	<1.07	U	<1.1	U	<1.05	U	<1.03	U	<1.03	U	NS	NS	NS
Vanadium	19		7.32		19		11.9		23.2		17.7		16.8		16.8		16.6		15.9		16.7		20.4		17.6		18		12.5		16.2		NS	NS	NS
Zinc	39.2		7.93		158		170		45.9		17.3		183		470		27.5		206		27.9		43		43.3		29.2		55.5		18.9		109	2200	10000

NOTES:  
Any Regulatory Exceedences are color coded by Regulation  
**Q** is the Qualifier Column with definitions as follows:  
D=result is from an analysis that required a dilution  
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated  
U=analyte not detected at or above the level indicated  
B=analyte found in the analysis batch blank  
E=result is estimated and cannot be accurately reported due to levels encountered or interferences  
NT=this indicates the analyte was not a target for this sample  
NS=this indicates that no regulatory limit has been established for this analyte

 = sample exceeds Track 1 Soil Cleanup Objectives (SCOs)  
 = sample exceeds Track 2 Soil Cleanup Objectives (SCOs)  
 = sample exceeds Track 3 Soil Cleanup Objectives (SCOs)

**Table 5**  
**Ground Water Samples Analytical Results for VOCs**  
**511-515, 517-519 & 521-525 West 36th Street & 518-520 West 37th St, NY, NY**

Sample ID	GW1		GW2		NYSDEC TOGS Standards and Guidance Values - GA
	9/12/2014		9/12/2014		
Client Matrix	Water		Water		ug/L
Compound	Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L
1,1,1,2-Tetrachloroethane	<0.2	U	<0.2	U	5
1,1,1-Trichloroethane	<0.2	U	<0.2	U	5
1,1,2,2-Tetrachloroethane	<0.2	U	<0.2	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	<0.2	U	<0.2	U	5
1,1,2-Trichloroethane	<0.2	U	<0.2	U	1
1,1-Dichloroethane	<0.2	U	<0.2	U	5
1,1-Dichloroethylene	<0.2	U	<0.2	U	5
1,1-Dichloropropylene	<0.2	U	<0.2	U	5
1,2,3-Trichlorobenzene	<0.2	U	<0.2	U	5
1,2,3-Trichloropropane	<0.2	U	<0.2	U	0.04
1,2,4,5-Tetramethylbenzene	0.93		3.7		NS
1,2,4-Trichlorobenzene	<0.2	U	<0.2	U	5
1,2,4-Trimethylbenzene	2.4		8.4		5
1,2-Dibromo-3-chloropropane	<0.2	U	<0.2	U	0.04
1,2-Dibromoethane	<0.2	U	<0.2	U	5
1,2-Dichlorobenzene	<0.2	U	<0.2	U	3
1,2-Dichloroethane	<0.2	U	<0.2	U	0.6
1,2-Dichloropropane	0.3	J	<0.2	U	1
1,3,5-Trimethylbenzene	0.3	J	2.1		5
1,3-Dichlorobenzene	<0.2	U	<0.2	U	3
1,3-Dichloropropane	<0.2	U	<0.2	U	5
1,4-Dichlorobenzene	<0.2	U	<0.2	U	3
2,2-Dichloropropane	<0.2	U	<0.2	U	5
2-Butanone	2.7		<0.2	U	50
2-Chlorotoluene	<0.2	U	<0.2	U	5
2-Hexanone	0.27	J	<0.2	U	50
4-Chlorotoluene	<0.2	U	<0.2	U	5
4-Methyl-2-pentanone	0.22	J	<0.2	U	NS
Acetone	10		1.5	J	50
Benzene	<0.2	U	0.54		1
Bromobenzene	<0.2	U	<0.2	U	5
Bromochloromethane	<0.2	U	<0.2	U	5
Bromodichloromethane	<0.2	U	0.51		50
Bromoform	<0.2	U	<0.2	U	50
Bromomethane	<0.2	U	<0.2	U	5
Carbon disulfide	0.46	J	<0.2	U	NS
Carbon tetrachloride	<0.2	U	<0.2	U	5
Chlorobenzene	<0.2	U	<0.2	U	5
Chloroethane	<0.2	U	0.2	U	5
Chloroform	7.1		7		7
Chloromethane	<0.2	U	<0.2	U	5
cis-1,2-Dichloroethylene	<0.2	U	<0.2	U	5
cis-1,3-Dichloropropylene	<0.2	U	<0.2	U	0.4
Dibromochloromethane	<0.2	U	<0.2	U	50
Dibromomethane	<0.2	U	<0.2	U	NS
Dichlorodifluoromethane	<0.2	U	<0.2	U	5
Ethyl Benzene	0.4	J	0.45	J	5
Hexachlorobutadiene	0.2	U	0.2	U	0.5
Isopropylbenzene	0.5		2.1		5
Methyl tert-butyl ether (MTBE)	<0.2	U	<0.2	U	10
Methylene chloride	1	U	1	U	5
Naphthalene	3.7		24		10
n-Butylbenzene	<0.2	U	0.75		5
n-Propylbenzene	0.57		2.9		5
o-Xylene	0.4	J	0.23	J	5
p- & m- Xylenes	0.52	J	2.4		5
p-Diethylbenzene	<0.2	U	2		NS
p-Ethyltoluene	<0.2	U	<0.2	U	NS
p-Isopropyltoluene	<0.2	U	0.54		5
sec-Butylbenzene	0.32	J	1.1		5
Styrene	<0.2	U	<0.2	U	5
tert-Butylbenzene	<0.2	U	<0.2	U	5
Tetrachloroethylene	<0.2	U	<0.2	U	5
Toluene	<0.2	U	0.38	J	5
trans-1,2-Dichloroethylene	<0.2	U	<0.2	U	5
trans-1,3-Dichloropropylene	<0.2	U	<0.2	U	0.4
Trichloroethylene	<0.2	U	<0.2	U	5
Trichlorofluoromethane	<0.2	U	<0.2	U	5
Vinyl Chloride	<0.5	U	<0.5	U	2
Xylenes, Total	0.92	J	2.6		5

**NOTES:**

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B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

NS=this indicates that no regulatory limit has been established for this analyte

**[Redacted]** = sample exceeds Track 1 NYSDEC TOGS Standards

**Table 6**  
**Ground Water Samples Analytical Results for SVOCs**  
**511-515, 517-519 & 521-525 West 36th Street & 518-520 West 37th St, NY, NY**

Sample ID	GW1		GW2		NYSDEC TOCS Standards and Guidance Values - GA
	Result	Q	Result	Q	
Sampling Date	9/12/2014		9/12/2014		
Client Matrix	Water		Water		
Compound	Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L
1,2,4-Trichlorobenzene	<25	U	<25.6	U	5
1,2-Dichlorobenzene	<25	U	<25.6	U	3
1,3-Dichlorobenzene	<25	U	<25.6	U	3
1,4-Dichlorobenzene	<25	U	<25.6	U	3
2,4,5-Trichlorophenol	<25	U	41.50	JD	1
2,4,6-Trichlorophenol	<25	U	<25.6	U	1
2,4-Dichlorophenol	<25	U	<25.6	U	5
2,4-Dimethylphenol	<25	U	<25.6	U	50
2,4-Dinitrophenol	<25	U	<25.6	U	10
2,4-Dinitrotoluene	<25	U	<25.6	U	5
2,6-Dinitrotoluene	<25	U	<25.6	U	5
2-Chloronaphthalene	<25	U	<25.6	U	10
2-Chlorophenol	<25	U	<25.6	U	1
2-Methylnaphthalene	<25	U	<25.6	U	NS
2-Methylphenol	<25	U	<25.6	U	1
2-Nitroaniline	<25	U	<25.6	U	5
2-Nitrophenol	<25	U	<25.6	U	1
3- & 4-Methylphenols	<25	U	<25.6	U	NS
3,3'-Dichlorobenzidine	<25	U	<25.6	U	5
3-Nitroaniline	<25	U	<25.6	U	5
4,6-Dinitro-2-methylphenol	<25	U	<25.6	U	NS
4-Bromophenyl phenyl ether	<25	U	<25.6	U	NS
4-Chloro-3-methylphenol	<25	U	<25.6	U	1
4-Chloroaniline	<25	U	<25.6	U	5
4-Chlorophenyl phenyl ether	<25	U	<25.6	U	NS
4-Nitroaniline	<25	U	<25.6	U	5
4-Nitrophenol	<25	U	<25.6	U	1
Acenaphthene	<25	U	<25.6	U	20
Acenaphthylene	<25	U	<25.6	U	NS
Aniline	<25	U	<25.6	U	5
Anthracene	<25	U	<25.6	U	50
Benzo(a)anthracene	<10	U	<25.6	U	0.002
Benzo(a)pyrene	<10	U	<25.6	U	0.002
Benzo(b)fluoranthene	<10	U	<25.6	U	0.002
Benzo(g,h,i)perylene	<10	U	<25.6	U	NS
Benzo(k)fluoranthene	<25	U	<25.6	U	0.002
Benzyl alcohol	<25	U	<25.6	U	NS
Benzyl butyl phthalate	<25	U	<25.6	U	50
Bis(2-chloroethoxy)methane	<25	U	<25.6	U	5
Bis(2-chloroethyl)ether	<25	U	<25.6	U	1
Bis(2-chloroisopropyl)ether	<25	U	<25.6	U	5
Bis(2-ethylhexyl)phthalate	<25	U	<25.6	U	5
Chrysene	<25	U	<25.6	U	0.002
Dibenzo(a,h)anthracene	<25	U	<25.6	U	NS
Dibenzofuran	59.60	D	<25.6	U	NS
Diethyl phthalate	<25	U	<25.6	U	50
Dimethyl phthalate	<25	U	<25.6	U	50
Di-n-butyl phthalate	<25	U	<25.6	U	50
Di-n-octyl phthalate	<25	U	<25.6	U	50
Fluoranthene	<25	U	<25.6	U	50
Fluorene	86.40	D	<25.6	U	50
Hexachlorobenzene	<25	U	<25.6	U	0.04
Hexachlorobutadiene	<25	U	<25.6	U	0.5
Hexachlorocyclopentadiene	<25	U	<25.6	U	5
Hexachloroethane	<25	U	<25.6	U	5
Indeno(1,2,3-cd)pyrene	<25	U	<25.6	U	0.002
Isophorone	<25	U	<25.6	U	50
Naphthalene	<25	U	<25.6	U	10
Nitrobenzene	<25	U	<25.6	U	0.4
N-Nitrosodimethylamine	<25	U	<25.6	U	NS
N-nitroso-di-n-propylamine	<25	U	<25.6	U	NS
N-Nitrosodiphenylamine	<25	U	<25.6	U	50
Pentachlorophenol	294	D	384	D	1
Phenanthrene	<25	U	<25.6	U	50
Phenol	<25	U	<25.6	U	1
Pyrene	<25	U	<25.6	U	50
Pyridine	<25	U	<25.6	U	50

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**[Redacted]** = sample exceeds Track 1 NYSDEC TOGS Standards

**Table 7**  
**Ground Water Samples Analytical Results for for PCBs & Pesticides**  
**511-515, 517-519 & 521-525 West 36th Street & 518-520 West 37th St, NY, NY**

Sample ID	GW1		GW2		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	9/12/2014		9/12/2014		
Client Matrix	Water		Water		
Compound	Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L
4,4'-DDD	<0.00444	U	<0.0041	U	0.3
4,4'-DDE	<0.00444	U	<0.0041	U	0.2
4,4'-DDT	<0.00444	U	<0.0041	U	0.2
Aroclor 1016	<0.0556	U	<0.0513	U	NS
Aroclor 1221	<0.0556	U	<0.0513	U	NS
Aroclor 1232	<0.0556	U	<0.0513	U	NS
Aroclor 1242	<0.0556	U	<0.0513	U	NS
Aroclor 1248	<0.0556	U	<0.0513	U	NS
Aroclor 1254	<0.0556	U	<0.0513	U	NS
Aroclor 1260	<0.0556	U	<0.0513	U	NS
Aldrin	<0.00444	U	<0.0041	U	NS
alpha-BHC	<0.00444	U	<0.0041	U	0.01
alpha-Chlordane	<0.00444	U	<0.0041	U	NS
beta-BHC	<0.00444	U	<0.0041	U	0.04
Chlordane, total	<0.0444	U	<0.041	U	0.05
delta-BHC	<0.00444	U	<0.0041	U	0.04
Dieldrin	<0.00222	U	<0.00205	U	0.004
Endosulfan I	<0.00444	U	<0.0041	U	NS
Endosulfan II	<0.00444	U	<0.0041	U	NS
Endosulfan sulfate	<0.00444	U	<0.0041	U	NS
Endrin	<0.00444	U	<0.0041	U	NS
Endrin aldehyde	<0.0111	U	<0.0103	U	5
Endrin ketone	<0.0111	U	<0.0103	U	5
gamma-BHC (Lindane)	<0.00444	U	<0.0041	U	0.05
gamma-Chlordane	<0.0111	U	<0.0103	U	NS
Heptachlor	<0.00444	U	<0.0041	U	0.04
Heptachlor epoxide	<0.00444	U	<0.0041	U	0.03
Methoxychlor	<0.00444	U	<0.0041	U	35
Toxaphene	<0.111	U	<0.103	U	0.06
Total PCBs	<0.0556	U	<0.0513	U	0.09

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U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

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NS=this indicates that no regulatory limit has been established for this analyte

 = sample exceeds Track 1 NYSDEC TOGS Standards

Table 8

## Ground Water Samples Analytical Results for Metals

511-515, 517-519 &amp; 521-525 West 36th Street &amp; 518-520 West 37th St, NY, NY

Sample ID	GW1		GW2		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	9/12/2014		9/12/2014		
Client Matrix	Water		Water		
Compound	Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L
Aluminum	37,300		183		NS
Antimony	<5	U	<5	U	3
Arsenic	8		<4	U	25
Barium	961		139		1000
Beryllium	3		<1	U	3
Cadmium	<3	U	<3	U	5
Calcium	30,200		172,000		NS
Chromium	84		<5	U	50
Chromium, Hexavalent	<10	U	<10	U	50
Chromium, Trivalent	84		<10	U	NS
Cobalt	36		<5	U	NS
Copper	978		6		200
Iron	63,800		3,460		NS
Lead	31		<3	U	25
Magnesium	17,800		29,900		35000
Manganese	1,830		1,750		300
Mercury	<0.2	U	<0.2	U	0.7
Nickel	187		10		100
Potassium	37,200		25,200		NS
Selenium	<10	U	15		10
Silver	<5	U	<5	U	50
Sodium	35,300		189,000		20000
Thallium	<5	U	<5	U	NS
Vanadium	77		<10	U	NS
Zinc	765		24		2000

## NOTES:

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U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

NS=this indicates that no regulatory limit has been established for this analyte

 = sample exceeds Track 1 NYSDEC TOGS Standards

**Table 9**  
**Soil Vapor Analytical Results**  
**511-515, 517-519 & 521-525 West 36th Street & 518-520 West 37th St, NY, NY**

Sample ID	SV1/15613		SV2/#26		SV3/S10		SV4/16974		SV5/S23		AO-1/S08		NYSDOH Background Standards - Indoor Air - Upper Fence
	9/12/2014		9/12/2014		9/12/2014		9/12/2014		9/12/2014		9/12/2014		
Client Matrix	Soil Vapor		Outdoor Ambient Air										
Compound	Result	Q	Result	Q									
Units	ug/m <sup>3</sup>		ug/m <sup>3</sup>		ug/m <sup>3</sup>								
1,1,1-Trichloroethane	6.20	D	3		2.80	D	4	D	<0.68	U	<0.65	U	2.5
1,1,2,2-Tetrachloroethane	<1	U	<0.69	U	<0.97	U	<0.86	U	<0.86	U	<0.82	U	0.4
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.30	D	0.77		<1.1	U	<0.96	U	<0.96	U	<0.92	U	2.5
1,1,2-Trichloroethane	<0.79	U	<0.55	U	<0.77	U	<0.68	U	<0.68	U	<0.65	U	0.4
1,1-Dichloroethane	<0.59	U	<0.4	U	<0.57	U	<0.51	U	<0.51	U	<0.48	U	0.4
1,1-Dichloroethylene	<0.58	U	<0.4	U	<0.56	U	<0.5	U	<0.5	U	<0.47	U	0.4
1,2,4-Trichlorobenzene	<1.1	U	<0.74	U	<1.1	U	0.93	U	<0.93	U	<0.89	U	0.5
1,2,4-Trimethylbenzene	30	D	16		14	D	20	D	19	D	0.82	D	9.8
1,2-Dibromoethane	<1.1	U	<0.77	U	<1.1	U	<0.96	U	<0.96	U	<0.92	U	0.4
1,2-Dichlorobenzene	<0.87	U	<0.6	U	<0.85	U	<0.75	U	<0.75	U	<0.72	U	0.5
1,2-Dichloroethane	<0.59	U	<0.4	U	<0.57	U	<0.51	U	<0.51	U	<0.48	U	0.4
1,2-Dichloropropane	<0.67	U	<0.46	U	<0.65	U	<0.58	U	<0.58	U	<0.55	U	0.4
1,2-Dichlorotetrafluoroethane	<1	U	<0.7	U	<0.99	U	<0.87	U	<0.87	U	<0.84	U	0.4
1,3,5-Trimethylbenzene	8.40	D	5.90		3.50	D	4.70	D	4.70	D	<0.59	U	3.9
1,3-Butadiene	6.80	D	<0.43	U	1.70	D	11	D	20	D	<0.52	U	NS
1,3-Dichlorobenzene	<0.87	U	<0.6	U	<0.85	U	<0.75	U	<0.75	U	<0.72	U	0.5
1,4-Dichlorobenzene	<0.87	U	<0.6	U	<0.85	U	<0.75	U	<0.75	U	<0.72	U	1.2
1,4-Dioxane	<0.52	U	<0.36	U	<0.51	U	<0.45	U	<0.45	U	<0.43	U	NS
2-Butanone	3.30	D	7.80		24	D	11	D	9.40	D	2	D	16
2-Hexanone	<1.2	U	2.30		5.50	D	2.80	D	1.60	D	<0.98	U	NS
4-Methyl-2-pentanone	<0.6	U	<0.41	U	<0.58	U	<0.51	U	<0.51	U	<0.49	U	1.9
Acetone	18	D	140	D	320	D	210	D	180	D	15	D	115
Benzene	8	D	3.80		9.30	D	14	D	13	D	0.46	D	13
Benzyl chloride	<0.75	U	<0.52	U	<0.73	U	<0.65	U	<0.65	U	<0.62	U	NS
Bromodichloromethane	<0.9	U	<0.62	U	<0.88	U	<0.78	U	<0.78	U	<0.74	U	NS
Bromoform	<1.5	U	<1	U	<1.5	U	<1.3	U	<1.3	U	<1.2	U	NS
Bromomethane	<0.56	U	<0.39	U	<0.55	U	<0.49	U	<0.49	U	<0.46	U	0.5
Carbon disulfide	3.60	D	2.50		17	D	14	D	40	D	<0.37	U	NS
Carbon tetrachloride	0.91	D	1.10		0.62	D	<0.2	U	0.63	D	0.53	D	1.3
Chlorobenzene	<0.67	U	<0.46	U	<0.65	U	<0.58	U	<0.58	U	<0.55	U	0.4
Chloroethane	<0.38	U	<0.26	U	<0.37	U	<0.33	U	<0.33	U	<0.32	U	0.4
Chloroform	36	D	13		15	D	47	D	13	D	<0.58	U	1.2
Chloromethane	0.30	D	0.99		0.82	D	0.77	D	0.88	D	1.30	D	4.2
cis-1,2-Dichloroethylene	<0.58	U	<0.4	U	<0.56	U	<0.5	U	<0.5	U	<0.47	U	0.4
cis-1,3-Dichloropropylene	<0.66	U	<0.45	U	<0.64	U	<0.57	U	<0.57	U	<0.54	U	0.4
Cyclohexane	9.50	D	2.80		2	D	3.70	D	9.90	D	0.41	D	6.3
Dibromochloromethane	<1.2	U	<0.8	U	<1.1	U	1	U	1	U	<0.96	U	NS
Dichlorodifluoromethane	4.30	D	2.60		2.20	D	2.20	D	2.20	D	2.40	D	10
Ethyl acetate	<1	U	<0.72	U	<1	U	0.90	U	0.90	U	<0.86	U	NS
Ethyl Benzene	12	D	7.40		15	D	17	D	13	D	0.62	D	6.4
Hexachlorobutadiene	<1.5	U	<1.1	U	<1.5	U	<1.3	U	<1.3	U	<1.3	U	0.5
Isopropanol	7.90	D	31		38	D	9.80	D	13	D	3.10	D	NS
Methyl Methacrylate	<0.59	U	<0.41	U	<0.58	U	<0.51	U	<0.51	U	<0.49	U	0.4
Methyl tert-butyl ether (MTBE)	<0.52	U	<0.36	U	<0.51	U	<0.45	U	<0.45	U	<0.43	U	14
Methylene chloride	3.70	D	36		1.20	D	1.30	D	5.10	D	1.30	D	16
n-Heptane	12	D	3.40		6.40	D	13	D	<0.51	U	0.69	D	18
n-Hexane	22	D	75		7.90	D	20	D	40	D	2.20	D	14
o-Xylene	23	D	11		16	D	17	D	15	D	0.93	D	7.1
p- & m- Xylenes	51	D	35		62	D	68	D	55	D	2.90	D	11
p-Ethyltoluene	23	D	14		14	D	17	D	17	D	0.65	D	NS
Propylene	<0.25	U	<0.17	U	<0.24	U	<0.22	U	<0.22	U	<0.21	U	NS
Styrene	<0.62	U	<0.43	U	<0.6	U	<0.53	U	<0.53	U	<0.51	U	1.4
Tetrachloroethylene	40	D	7.70		2.20	D	5.40	D	2.80	D	<0.2	U	2.5
Tetrahydrofuran	5	D	4.90		5	D	4.40	D	5.80	D	0.39	D	0.8
Toluene	50	D	24		73	D	85	D	64	D	8.40	D	57
trans-1,2-Dichloroethylene	<0.58	U	<0.4	U	<0.56	U	<0.5	U	<0.5	U	<0.47	U	NS
trans-1,3-Dichloropropylene	<0.66	U	<0.45	U	<0.64	U	<0.57	U	<0.57	U	<0.54	U	NS
Trichloroethylene	36	D	1.70		<0.19	U	<0.17	U	<0.17	U	<0.16	U	0.5
Trichlorofluoromethane (Freon 11)	3	D	15		120	D	6.70	D	3.10	D	1.50	D	12
Vinyl acetate	<0.51	U	<0.35	U	<0.5	U	<0.44	U	<0.44	U	<0.42	U	NS
Vinyl Chloride	<0.19	U	<0.13	U	<0.18	U	<0.16	U	<0.16	U	<0.15	U	0.4

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**[Redacted]** = sample exceeds NYSDOH Background Standards

# **APPENDICES**

# Appendix A



# Hydro Tech Environmental, Corp.

Main Office  
77 Arkay Drive, Suite G  
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NYC Office  
15 Ocean Avenue, 2<sup>nd</sup> Floor  
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## PHASE I ENVIRONMENTAL SITE ASSESSMENT

511-515, 517-519 & 521-525 West 36<sup>th</sup> Street, New York, NY



**Prepared For**

**Hudson 36 LLC  
1999 Marcus Ave Suite 310  
Lake Success, New York 11042**

**June 25, 2012**

**Job No. 120119**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT**

**511-515, 517-519, & 521-525 West 36<sup>th</sup> Street**

**June 25, 2012**

Hydro Tech Environmental, Corp. appreciates the opportunity to work for Hudson 36, LLC at the property located at 511-515, 517-519 & 521-525 West 36<sup>th</sup> Street.

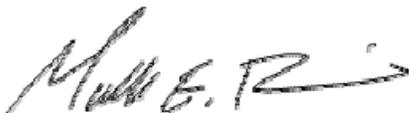
Should you require any additional information or have any comments regarding the contents of this report, please feel free to contact our office at your convenience.

We declare that, to the best of my professional knowledge and belief, Hydro Tech personnel meet the definition of an environmental professional as defined in §312.10 of 40 C.F.R. 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Very Truly Yours,  
**Hydro Tech Environmental, Corp.**



X \_\_\_\_\_  
Mark Chin  
Project Geologist



X \_\_\_\_\_  
Mark E. Robbins, C.P.G., C.E.I.  
Senior Vice President

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## **1.0 EXECUTIVE SUMMARY**

Hydro Tech Environmental, Corp. (Hydro Tech) has performed a Phase I Environmental Site Assessment (Phase I ESA) at the Subject Property. The Phase I ESA was performed to meet or surpass the American Standard of Testing Materials Standard for Phase I Environmental Site Assessments E 1527-05. The purpose of the assessment was to characterize the environmental quality of the Subject Property through the identification of Recognized Environmental Conditions. All work was performed under the supervision of a Hydro Tech Project Manager and under the guidance of a Hydro Tech geologist.

The results of the Phase I Environmental Site Assessment are contained in this report. The Phase I Environmental Site Assessment has revealed the following Recognized Environmental Conditions (RECs) at the Subject Property:

- The presence of an inactive, unregistered aboveground tank at 515-517 West 36<sup>th</sup> Street.
- The presence of visible mold growth at 515-517 West 36<sup>th</sup> Street (§4.0).
- The presence of a buried tank at 517-519 West 36<sup>th</sup> Street as listed on historical Sanborn Maps (§6.0).
- The historical site use of 521-525 West 36<sup>th</sup> Street as an auto repair garage (§6.0).
- The presence of little “E” Designation E-137 issued for “HAZMAT/AIR QUALITY NOISE” (§5.0).

No effort has been made to perform any investigation beyond what is included in this Report. The observations and conclusions included herein summarize the results of the Phase I Environmental Site Assessment up to the date of the fieldwork and the date of this Report.

The following sections provide the details and specific information pertaining to the various components of the Phase I Environmental Site Assessment.

## **2.0 INTRODUCTION & SCOPE OF WORK**

### **2.1 Introduction**

Hydro Tech Environmental, Corp. (Hydro Tech, the **“Preparer”**) has been retained by Hudson 36, LLC (the **“User”**) to perform a Phase I Environmental Site Assessment at the property located at 511-515, 517-519, 521-525 West 36<sup>th</sup> Street in the borough of Manhattan, New York. The User is the owner of the property. The property will hereafter be referred to as the **“Subject Property”** or **“Site”**.

The purpose of a Phase I Assessment is to characterize the environmental quality of the Subject Property through the determination of the presence of Recognized Environmental Conditions (RECs). As defined by the American Society of Testing and Materials (ASTM), a REC is, “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property” (ASTM E 1527-05, §1.1.1). Similarly, the goal of an AAI-compliant Phase I Assessment is to identify “conditions indicative of releases or threatened releases of hazardous substances” (40 CFR Part 312).

To this end, Hydro Tech has collected information through a number of sources including, but not limited to: a property and neighborhood inspection by trained environmental personnel, a review of historical and current information collected from various federal, state, county and municipal agencies and personnel interviews with Site representatives. Recommendations are offered where prudent. Firms subcontracted by Hydro Tech and the User may have collected some information used in this report. Some or all of the Assessment has been performed or supervised by environmental professionals as required by 40 CFR Part 310. The procurement of Title and Judicial Records for Environmental Liens and/or Activity and Use Limitations (“AULs”) by Hydro Tech is beyond the scope of this practice (ASTM E1527-05) and investigation.

### **2.2 Scope of Work**

The general activities of the Phase I Assessment included the performance of the following tasks:

1. A detailed inspection of the Site and its general vicinity.
2. A review of all reasonably ascertainable regulatory agency documents.
3. A neighborhood hazardous waste survey utilizing Federal and State databases.
4. A review and evaluation of reasonably ascertainable geologic and hydrogeologic reference materials.
5. Interviews with representatives of the Site.
6. The preparation of a Phase I Environmental Site Assessment Report.

The Phase I ESA was performed in accordance with ASTM E 1527 except where noted in Section 2.3 and in Hydro Tech’s Proposal. As required by ASTM, the User has supplied information that has been relied upon by Hydro Tech in the rendering of findings, conclusions and opinions, except where indicated in Section 2.3 or elsewhere in the report.

### **2.3 Limitations, Deviations and Exceptions**

In addition to those items outlined by ASTM E 1527, asbestos, radon, lead-based paint and lead in water were also considered in the scope of work. While this Phase I Assessment provides information with respect to both asbestos and lead-based paint, the presence of these materials can only be confirmed through the collection and analysis of bulk samples.

This report is not intended to serve as a full asbestos survey or lead-based paint survey. These surveys are commonly performed for the purpose of building demolition/renovation or the recognition/identification of any building materials that may contain asbestos or lead-based paint and it is recommended that they be performed prior to any such work.

Business Environmental Risks have not been considered and are not included in the scope of work. This Phase I Assessment is not intended to address the soil/groundwater quality at the Subject Property for general site characterization or waste disposal purposes. This Phase I Assessment is not intended to evaluate the fair market price of the property if it is not affected by hazardous or petroleum products.

Portions of this report have been prepared utilizing information provided by third party sources or the user. As such, Hydro Tech relies upon these sources and has recorded findings, conclusions and opinions based upon this information. Hydro Tech cannot attest to the accuracy of this information but where possible had attempted to verify the information.

This Phase I ESA Report is not intended to serve or be construed as a regulatory compliance report for the property. No legal opinions are provided with this report. This Phase I is not intended to address soil vapor intrusion conditions.

It should be noted that the USEPA has determined in their final ruling (40 C.F.R. Part 312, Standards and Practices for All Appropriate Inquiries) of November 1, 2005 that "persons conducting all appropriate inquiries may use the procedures included in the ASTM E 1527-05 standard to comply with today's final rule." Therefore, while all appropriate inquiry could be considered satisfied as this ESA was prepared as per the ASTM E 1527-05 Standard, person(s) attempting to utilize this ESA while seeking one of CERCLA's LLPs must note that; a) they will not maintain CERCLA liability protections unless they also comply with all of the continuing obligations established under the statute that are beyond the scope of this practice (ASTM E 1527-05) and investigation; and b) in order to qualify for one of the CERCLA LLPs, the person(s) commissioning the Phase I Environmental Site Assessment must have provided site-specific information (if available) to Hydro Tech before the date of this ESA, otherwise a determination could be made that all appropriate inquiry is not complete.

### 3.0 SUBJECT PROPERTY DESCRIPTION

#### 3.1 Subject Property Vicinity

The property is located along the north side of West 36<sup>th</sup> Street, between 11<sup>th</sup> Avenue to the west and 10<sup>th</sup> Avenue to the east, in the borough of Manhattan, NY. The Borough of Manhattan is situated in the western portion of the City of New York.

The vicinity of the Subject Property consists of commercial and residential properties. The ground surfaces in the vicinity of the Subject Property consist of concrete and asphalt surfaces.

#### 3.2 Subject Property Description

The Subject Property consists of 3 commercial buildings situated along the north side of West 36<sup>th</sup> Street. The property located at 511-515 West 36<sup>th</sup> Street is approximately 7,400 square feet in area and contains a 6-story brick commercial building with a full basement. The property located at 517-519 West 36<sup>th</sup> Street is approximately 5,000 square feet and contains a 3-story building commercial building with a basement. The property located at 521-525 West 36<sup>th</sup> Street is approximately 5,000 square feet and contains a 4-story building commercial building with a basement. A concrete sidewalk is located along 36<sup>th</sup> Street and 10<sup>th</sup> Avenue.

The building at 511-515 West 36<sup>th</sup> Street consists of commercial offices and apartments. A lobby and a loading dock occupy the ground floor of 511-515 West 36<sup>th</sup> Street. The basement of 511-515 West 36<sup>th</sup> Street contains utility rooms and a storage area for the commercial offices. The building is heated by a gas-fired boiler located in the basement.

The building at 517-519 West 36<sup>th</sup> Street contains a parking garage on the ground floor and both commercial offices and residential apartments on the remaining floors. The cellar of 517-519 West 36<sup>th</sup> Street contains utility rooms and a storage area for the commercial tenants. The building is heated by a gas-fired boiler located in the basement.

The building at 521-525 West 36<sup>th</sup> Street contains Nalley Pizzeria and a vacant commercial space on the ground floor. Commercial offices and residential apartments occupy the remaining 3 floors of 521-525 West 36<sup>th</sup> Street. The basement of 521-525 West 36<sup>th</sup> Street contains utility rooms and a storage area for the commercial tenants. The building is heated by a gas-fired boiler located in the basement.

The Site is connected to the NYC municipal sewer system, water, electric and gas services. These services enter the Site underground along 36<sup>th</sup> Street.

The topography of the Subject Property and is generally level. The topography in the vicinity of the Site has a slight topographic slope to the west. **Figure 1** provides a Site Plan.

#### 3.3 Adjacent Land Use

The Subject Property is located in a commercial area. The following properties were identified immediately adjacent to the Subject Property:

Direction	Adjacent Parcel	Surrounding Parcels
North	Multi-story mixed use building	Commercial/Residential
South	Vacant lot	
East	Commercial/Manufacturing Building	
West	2 Story buildings (Steven Francine Auto Repair)	

Hydro Tech does not believe that the adjacent properties identified above should impact upon the environmental quality of the Subject Property.

#### **3.4 Proximity to Environmentally Sensitive Areas**

The results of the Site inspection and an evaluation of the United States Geological Survey (USGS) 7-½ Minute Topographic Map containing the properties indicate there are 10 environmentally sensitive areas located within 1/8-mile radius of the Subject Property. All of these environmentally sensitive areas are medical facilities. Hydro Tech believes that the Subject Property should not impact upon the environmental quality of the sensitive receptor.

#### **3.5 Site Location and Physical Setting**

The Subject Property is located in the northeast portion of the Borough of Manhattan, New York. The elevation of the Subject Property is approximately 37 feet above mean sea level (USGS 7.5-Minute Central Park, New York Quadrangle, 1995).

The vicinity of the Subject Property is characterized by metamorphosed sequence of bedrock known as the Manhattan Prong of the Hartland Formation.

The Hartland Formation was formed during the late Cambrian to early Ordovician period and consists of undivided pelitic schist with gneiss and amphibolite. The formation is frequently cross cut by transverse and parallel faults. The area is overlain by Pleistocene aged glacial till deposits.

The depth to water in the vicinity of the Subject Property is estimated to be 15 feet. The regional groundwater flow direction in the vicinity of the Site is presumed to be toward the west in the direction of Hudson River.

#### 4.0 SITE RECONNAISSANCE

Mark Chin of Hydro Tech performed the site reconnaissance portion of the Phase I Assessment on June 15, 2012. The weather during the inspection was sunny, approximately 70 degrees Fahrenheit. **Appendix A** provides photographs obtained during the site reconnaissance.

1. Industrial Processes:

- No industrial processes were observed at the Subject Property. No evidence of historical industrial processes was observed at the Subject Property.

2. Suspect Asbestos-Containing Materials:

- No visual evidence of asbestos-containing material was identified at the Subject Property.

3. Suspect Lead-Based Paint:

- No evidence of peeling paint indicative of lead-based paint was identified at the Subject Property.

4. Drum Storage Areas:

- No current or former drum storage areas were observed at the Subject Property.

5. Storage Tanks:

- An encased aboveground storage tank (AST) is present in the basement of the building at 515-517 West 36<sup>th</sup> Street. Based upon the size of the encasement, the tank is likely 2,500-gallons in volume. According to the property supervisor (Andre), the AST is not in use and is "abandoned". A fill port and a vent pipe are present along the eastern exterior wall of the building; neither the vent pipe nor the fill port is directly connected to the AST. The fill port does not appear to be abandoned; the cap is still present and appears functional. A petrometer was identified on a wall adjacent to the tank; the petrometer is also not directly connected to the AST. No stains, odors or evidence of spills were noted in the vicinity of the tank, the fill port or the vent pipe. No weep holes were observed within the encasement of the AST. The presence of the inactive AST may have adversely impact upon the environmental quality of the Subject Property and should be considered a REC.
- No evidence of an underground storage tanks was identified at the Subject Property.

6. Subsurface Drainage Structures/Drains:

- No subsurface drainage structures, such as leaching pools, cesspools or drywells were observed at the Subject Property. No evidence of former subsurface drainage structures were observed at the Subject Property.

No floor drains were identified at the Subject Property.

7. PCB-Containing Equipment:

- Other than fluorescent light ballast(s), no PCB-containing equipment was identified at the Subject Property.

8. Monitoring / Potable Water Wells:

- No monitoring wells were identified at the Subject Property. No monitoring wells were identified on the adjacent properties. The Subject Property does not utilize wells for the generation of potable water.

9. Mold

- Active mold growth was identified at that north rear 5<sup>th</sup> floor staircase on the 515-517 West 36<sup>th</sup> Street. The size of the area impact by mold is approximately ½ square foot. The presence of the active mold growth represents a REC.

10. Pits, Ponds, or Lagoons:

- No waste disposal pits, ponds, or lagoons were observed at the Subject Property. No evidence of former pits, ponds, or lagoons was observed at the Subject Property.

11. Distressed Vegetation:

- No distressed vegetation was observed at the Subject Property.

12. Fill / Land Disposal:

- No visual areas of fill or evidence of land disposal of material(s) were observed at the Subject Property.

13. Engineering Controls:

- No engineering controls were noted at the Subject Property.

14. Odors:

- No odors indicative of a petroleum, chemical or hazardous substance spill or release were identified at the Subject Property.

15. Hazardous Substance / Petroleum Containers:

- No evidence of suspect hazardous substance or other petroleum containers were identified at the Subject Property.

## 5.0 REGULATORY AGENCY DOCUMENTS

Freedom of Information Act (FOIA) requests were issued to the following regulatory agencies with respect to the Subject Property. All reasonably ascertainable municipal records are provided with this report. **Appendix B** provides copies of the regulatory agency documents.

- New York City Department of City Planning
- New York City Department of Building
- New York City Department of Housing Preservation and Development
- New York City Department of Health
- New York City Bureau of Fire Department
- New York State Department of Environmental Conservation
- New York City Department of Environmental Protection

### *New York City Department of City Planning*

A FOIA request was submitted to the New York City Zoning Department. The addresses of the Subject Properties are identified 511-515, 517-519, & 521-525 West 36 Street. The tax map numbers are listed as Block 708, Lots 20 (521-525 West 36<sup>th</sup> Street), 22 (517-519 West 36<sup>th</sup> Street) and 24 (511-515 West 36<sup>th</sup> Street).

The New York City Zoning Department indicated that 511-515 and 517-519 W 36<sup>th</sup> Street are zoned for "C2-8". The New York City Zoning Department indicated that 521-525 W 36<sup>th</sup> Street is zoned for "M1-5". Each of the tax maps that comprise the Subject Property is listed as an "E" Designation for Hazmat, Air and Noise. The E Designation listing is E-137 and the CEQR number is 03DCP031M. This listing of the properties with an "E" designation represents a REC.

### *New York City Department of Building*

All obtainable FOIA documents were obtained via written request or other means. A FOIA request was submitted to the New York City Department of Building (NYCDOB). The NYCDOB file for 511-515 West 36<sup>th</sup> Street has no complaints, 1 total violation (none open) and 1 ECB violation (none open). The NYCDOB Certificate of Occupancy indicates the classification use for 511-515 West 36<sup>th</sup> Street is of commercial use.

The NYCDOB file for 517-519 West 36<sup>th</sup> Street has 7 total complaints (none open), 7 total violations (four open) and 4 ECB violations (two open). The open violations are related to construction applications and permits. The NYCDOB Certificate of Occupancy indicates the classification use for 517-519 West 36<sup>th</sup> Street is of commercial use. The NYCDOB indicates that 521-525 W 36<sup>th</sup> Street has 7 total complaints (none open), 2 total violations (none open) and 4 ECB violations (none open).

The NYCDOB Certificate of Occupancy indicates the classification use for 521-525 West 36<sup>th</sup> Street is of commercial use and in 2011 it was converted to residential use. None of the complains, violations or ECB violations should impact upon the environmental quality of the Subject Property.

### *New York City Department of Housing Preservation and Development*

A FOIA request was submitted to the New York City Department of Housing Preservation and Development (NYCHPD). The NYCHPD was contacted via telephone to obtain the status of the FOIA request. As of the date of this report, the NYCHPD has not responded to our initial search request or subsequent follow-up calls. Any information provided by the NYCHPD will be provided as soon as it has been received and evaluated.

*New York City Department of Health*

A FOIA request was submitted to the New York City Department of Health (NYCDOH). The NYCDOH was contacted via telephone to obtain the status of the FOIA request. As of the date of this report, the NYCDOH has not responded to our initial search request or subsequent follow-up calls. Any information provided by the NYCDOH will be provided as soon as it has been received and evaluated.

*New York City Bureau of Fire Prevention*

A FOIA request was submitted to the New York City Bureau of Fire Prevention (NYCBFP). As of the date of this report, the NYCBFP has not responded to our initial search request. Any information provided by the NYCBFP will be provided as soon as it has been received and evaluated.

*New York State Department of Environmental Conservation*

A FOIA request was submitted to the New York State Department of Environmental Conservation (NYSDEC). As of the date of this report, the NYSDEC has not responded to our initial search request. Any information provided by the NYSDEC will be provided as soon as it has been received and evaluated.

The NYSDEC website was also searched for any records associated with the Subject Property. The Subject Property was not identified on the NYSDEC spills database website.

*New York City Department of Environmental Protection*

A FOIA request was submitted to the New York City Department of Environmental Protection (NYCDEP). In their search, the NYCDEP has not discover anything pertaining to Pollution Control and Monitoring.

## 6.0 SITE HISTORY

### 6.1 Sanborn Maps

Sanborn Fire Rate Insurance Maps for the Subject Property and its vicinity dated 1899,1890, 1911, 1930, 1950, 1976, 1979, 1980, 1987, 1988, 1991, 1992, 1993, 1994, 1995, 1996, 2001, 2002, 2003, 2004 and 2005 were obtained and evaluated in order to establish the history of the Site. **Appendix C** provides a copy of the Sanborn Fire Rate Insurance Maps.

The following provides a listing of all documented usages of the address 511-515 West 36<sup>th</sup> Street:

Date	Subject Property Shown As	Surrounding area
1909-2005	6-story building - Manufacturing/commercial (NY Bottling-1911, McGraw Hill Company-1930)	Residential/commercial

The following provides a listing of all documented usages of the address 517-519 West 36<sup>th</sup> Street:

Date	Subject Property Shown As	Surrounding area
1909-2005	3-story building - Manufacturing/commercial (Public Auto Garage -1911)	Residential/commercial

A 275-gallon buried gasoline tank was noted on the Sanborn Maps from 1930-2005 for the property at 517 West 36<sup>th</sup> Street. No fill line was observed at the premises which suggests that the tank may have been previously removed.

The following provides a listing of all documented usages of the address 521-525 West 36<sup>th</sup> Street:

Date	Subject Property Shown As	Surrounding area
1909-2005	4-story building - Manufacturing/commercial (Auto Radiator Repair-1976,1979)	Residential/commercial

### 6.2 City Directory Search

In order to further assess the property's history, available City Directory files were obtained from EDR for review. The City Directories document known occupants of specific properties and sorted by individual addresses. **Appendix D** provides a copy of the City Directory Search.

The following provides a listing of all documented usages of the address 511-515 West 36<sup>th</sup> Street:

Date	Use of Subject Property	Surrounding Property Use
1973-1998	National Acoustics Inc.	Residential/Commercial
1938-1942	Rodds Plywood and Door Company	Residential/Commercial

The following provides a listing of all documented usages of the address 517-519 West 36<sup>th</sup> Street:

Date	Use of Subject Property	Surrounding Property Use
1993-1998	Prime Cut Inc.	Residential/Commercial
1973-1978	Salem Lining	Residential/Commercial
1927	Strickland AH	Residential/Commercial

The following provides a listing of all documented usages of the address 521-525 West 36<sup>th</sup> Street:

Date	Use of Subject Property	Surrounding Property Use
1988	Weiss Jerry Gerald	Residential/Commercial
1963-1968	Modern Auto Radiators	Residential/Commercial
1927	Meyer Edwards Wholesale Manufactory	Residential/Commercial

### 6.3 Previous Studies

Hydro Tech was not provided with any historical environmental reports regarding the Subject Property. According to a representative of the User, no historical reports are available.

### 6.4 Historical Use Summary

The property at 511-515 West 36<sup>th</sup> Street was used as a wagon yard during 1899. The site was developed with a 6-story building with basement and used by NY Bottling Company during 1909 and later used by the McGraw Hill Company during 1930. Other firms, including an acoustic company and a door company, utilized the Site. No historical uses have been identified that may have impacted upon the environmental quality of the Subject Property.

The property at 517-519 West 36<sup>th</sup> Street was developed with a 3-story building prior to 1899. A public auto garage occupied the Site during 1911. A 275-gallon buried gasoline tank was noted on the Sanborn Maps from 1930 to 2005. However no fill line was observed at the premises that suggests that the tank may have been previously removed. The historical utilization of a buried gasoline tank represents historical operations and/or potential sources of petroleum/hazardous materials that may have impacted upon the environmental quality of the Subject Property and is consider a REC.

The property at 521-525 West 36<sup>th</sup> Street was developed with a 4-story building prior to 1899. The site was occupied by a stable wagon facility during 1911. An auto radiator repair facility occupied the site during 1976-2005. The historical use of the Site as an auto radiator repair facility represents historical operations and/or potential sources of petroleum/hazardous materials that may have impacted upon the environmental quality of the Subject Property and is consider a REC.

Numerous data gaps (maximum 20 years) were noted in the historical map review. Due to other historical information obtained over the course of this investigation, Hydro Tech does not consider this data failure/data gap significant, as it appears unlikely to have affected potential Recognized Environmental Conditions at the subject site.

## 7.0 NEIGHBORHOOD HAZARDOUS WASTE DATABASES

Federal, State, Local and Tribal hazardous waste databases were reviewed with respect to the Subject Property and surrounding properties. The search areas for each database were specified by ASTM E 1527. In addition, all orphan sites (those without adequate information for mapping purposes) listed in the database search were also reviewed, evaluated and incorporated (as needed). **Appendix E** provides a copy of the Database Search Results. The following databases, with the appropriate search radius, were reviewed:

<b>ASTM Standard Environmental Record Source</b>	<b>Approx. ASTM Minimum Search Distance (MSD)</b>	<b>Number of Mapped Sites within MSD</b>	<b>Number of Orphan Sites</b>
1. NPL (Superfund) <i>National Priorities List</i>	1.0 Mile	0	0
2. Delisted NPL Site <i>Delisted National Priorities List Site</i>	0.5 Mile	0	0
3. CERCLIS <i>Comprehensive Environmental Response Compensation &amp; Liability Information System</i>	0.5 Mile	1	1
4. CERCLIS NFRAP <i>CERCLIS No Further Remedial Action Planned Site</i>	0.5 Mile	1	1
5. RCRA-TSD CORRACTS <i>Resource Conservation &amp; Recovery Treatment/Storage/Disposal Facility Subject to Corrective Action</i>	1.0 Mile	0	0
6. RCRA-TSD <i>Resource Conservation &amp; Recovery Treatment/Storage/Disposal Facility (Non-Corrective Action)</i>	0.5 Mile	0	0
7. RCRA-LG <i>Resource Conservation &amp; Recovery Large Quantity Generator</i>	0.25 Mile	4	4
8. RCRA-SG <i>Resource Conservation &amp; Recovery Small Quantity Generator</i>	0.25 Mile	8	2
9. ERNS <i>Emergency Response Notification System</i>	Property Only	0	0
10. Local / State / Tribal UST, PBS <i>Registered Storage Tanks</i>	0.25 Mile	78	0
11. Local / State / Tribal LTANKS <i>Leaking Underground Storage Tanks</i>	0.5 Mile	86	0
12. State Spill Incidents <i>NYSDEC Spill Sites</i>	0.125 Mile	33	1
13. Local / State / Tribal SWF <i>Solid Waste Facility / Landfill</i>	0.5 Mile	0	0
14. Local / State / Tribal CERCLIS <i>Inactive Hazardous Waste Disposal Site</i>	0.5 Mile	0	0
15. Inst. / Engineering Controls <i>Registry of Institutional and/or Engineering Controls</i>	Property Only	0	0
16. Voluntary Cleanup Program Sites <i>Local / State / Tribal VCP Sites</i>	0.5 Mile	1	0
17. Brownfield Sites <i>Local / State / Tribal Brownfield Sites</i>	0.5 Mile	0	0
18. Non-ASTM Record Source(s)	Not Applicable	No MSD has been established by ASTM for these sources	

The review and evaluation of the above Radius Databases indicates that the 511, 513, and 517 West 36<sup>th</sup> Street are identified with an Little "E" Designation. The Little "E" Restriction is listed as "HAZMAT/AIR QUALITY NOISE" with the description of Underground Gasoline Storage Tank Testing Protocol and Window Wall Attenuation and Alternate Ventilation. The Little "E" Restriction is associated with an (E) Designation (**E-137**) as a part of the Hudson Yard Rezoning. This (E) designation was assigned to the Subject Property and its vicinity by the New York City Department of Planning on May 11<sup>th</sup>, 2005 and is listed under City Environmental Quality Review (CEQR) number # **03DCP031M**. As previously stated, the "E" designation should be considered a REC.

One (1) site is listed on the Federal NPL and CERCLIS database and is has been identify as Hudson River PCB. The site is approximately 1/3 of a mile upgradient from the Subject Property. Due to the location and distance of the site, Hydro Tech does not believe it should impact the environmental quality of the Subject Property.

Four (4) sites are listed on RCRA Large Quantity Generator database within a 0.25 mile radius of the Subject Property. That site has no outstanding violation and Hydro Tech does not believe it should impact the environmental quality of the Subject Property.

Eight (8) sites are listed on RCRA Small Quantity Generator database with a 0.25 mile radius of the Subject Property. Due to the small quantity generated and the location of the facility, they should not impact upon the environmental quality of the Subject Property.

Eighty-six (86) sites are listed in the Leaking Underground Storage Tanks (LUSTs) database within a ½ mile radius of the Subject Property. All 86 sites have been closed and have been cleaned up to the satisfaction of the NYSDEC.

Seventy eight (78) sites are listed in the Registered Storage Tanks database within a 0.25 mile radius. These sites have no outstanding violation and Hydro Tech does not believe they should impact the environmental quality of the Subject Property.

Thirty three (33) properties are listed in the NY Spills database within a 0.125-mile radius of the Subject Property. All the spill cases have been resolved by the NYSDEC and as such, they should not impact upon the environmental quality of the Subject Property.

None of the remaining properties identified in the databases should impact upon the environmental quality of the Subject Property.

## **8.0 INTERVIEWS & CLIENT / USER-PROVIDED INFORMATION**

During the course of the Phase I Assessment, interviews were conducted with respect to the operation and history of the Site and a Client/User Questionnaire was provided.

1. The client/user responded to Hydro Tech's request for information regarding Environmental Liens or Activity and Use Limitations against the property that may have been filed or recorded under federal, tribal, state, or local law. No such records were reported.
2. The client/user did not respond to Hydro Tech's request for information regarding the relationship of the purchase price of the property to fair market value, specifically if it has been adjusted due to the known or potential presence of on-site contamination.
3. The client/user reported commonly known information within the local community regarding past use(s) of the property (including the storage and/or release of chemicals, hazardous substances, petroleum products, etc.) that could have affected the environmental integrity of the Subject Property.
4. The client/user reported no previous contamination on the property.
5. The client was provided with Hydro Tech's Environmental Questionnaire for the client/user. The Questionnaire was not filled out by the client representative.

### **8.1 Past and Present Site Associates**

The following information was provided by a representative of Hudson 36, LLC during the performance of the Phase I Assessment:

- Hudson 36, LLC, currently owns the Subject Property.
- The Subject Property has been used as a residential and commercial building.
- No historical reports were available for the Subject Property.

The interview did not reveal the presence of any additional potential Recognized Environmental Conditions in connection with the Subject Site, and did not provide any other information with respect to the environmental integrity of the subject property that was not obtained from other sources over the course of this investigation.

## **9.0 CONCLUSIONS**

Hydro Tech has performed a Phase I Environmental Site Assessment at the Subject Property, and has identified the following Recognized Environmental Conditions (RECs):

- The presence of an inactive, unregistered aboveground tank at 515-517 West 36<sup>th</sup> Street.
- The presence of visible mold growth at 515-517 West 36<sup>th</sup> Street (§4.0).
- The presence of a buried tank at 517-519 West 36<sup>th</sup> Street as listed on historical Sanborn Maps (§6.0).
- The historical site use of 521-525 West 36<sup>th</sup> Street as an auto repair garage (§6.0).
- The presence of little “E” Designation E-137 issued for “HAZMAT/AIR QUALITY NOISE” (§5.0).

## **10.0 RECOMMENDATIONS**

Based on the findings and conclusions of this Phase I Environmental Site Assessment, the following recommendations are provided:

- Prior to any invasive alteration at the property, this report along with proposed alteration plans should be provided to the Mayor's Office of Environmental Remediation (OER) in order to address the "E" designation for Hazardous materials.
- A Phase II Site Investigation should be conducted to assess the potential impact from historical operations as an auto facility and from the historical gasoline tank.
- A mold investigation should be conducted to determine the extent of the mold impact upon the indoor air of the building.
- The inactive AST should be removed in accordance with all applicable federal, state and local regulations. This removal would involve registration of the tank with the NYSDEC PBS Unit and the filing of a NYFD Affidavit.

## **11.0 CREDENTIALS & DECLARATION**

### **11.1 Credentials**

In accordance with ASTM E 1527, the credentials of those personnel directly involved with the production of this Phase I are provided with this report. **Appendix F** provides a copy of the personnel credentials.

### **11.2 Environmental Professional Declaration**

We declare that to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in 40 CFR Part 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the Subject Property. Only where indicated we have developed and performed the AAs in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

## 12.0 REFERENCES

1. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM E 1527-05, American Society for Testing and Materials, West Conshohocken, PA.
2. Principals of Groundwater Engineering, William C. Walton, Lewis Publishers, Inc., 1991.
3. The Long Island Ground Water Pollution Study, New York State Department of Environmental Conservation, 1972.
4. *Geochemical traverse across Cameron's Line, Boro Hall Park, Bronx, New York*, Cadmus, D., Hodgson, R., Gatto, L.M., and Puffer, J.H., Geology Department, Rutgers University, Newark, NJ.
5. *EDR Environmental Data Resources, 511-515, 517-519 and 521-525 West 36<sup>th</sup> Street, NYC – June 25, 2012*. The EDR – Sanborn Fire Insurance Maps, Milford, Connecticut.
6. *EDR Environmental Data Resources, 511-515, 517-519 and 521-525 West 36<sup>th</sup> Street, NYC – June 25, 2012*. The EDR – City Directory Abstract, Milford, Connecticut.
7. *EDR Environmental Data Resources, 511-515, 517-519 and 521-525 West 36<sup>th</sup> Street, NYC – June 25, 2012*. The EDR – Radius Map, Milford, Connecticut.

### 13.0 EXCLUSIONS & DISCLAIMER

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

In preparing this report, **Hydro Tech Environmental, Corp.** may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to **Hydro Tech Environmental, Corp.** at the time of the subject property assessment. Although there may have been some degree of overlap in the information provided by these various sources, **Hydro Tech Environmental, Corp.** did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this subject property assessment.

Observations were made of the subject property and of structures on the subject property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, **Hydro Tech Environmental, Corp.** renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to a non hazardous or hazardous materials, in that portion of the subject property or structure. In addition, **Hydro Tech Environmental, Corp.** renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

**Hydro Tech Environmental, Corp.** did not perform testing or analyses to determine the presence or concentration of asbestos at the subject property or in the environment of the subject property under the scope of the services performed.

The conclusions and recommendations contained in this report are based in part, where noted, upon the data obtained from a limited number of soil samples obtained from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

Any water level reading made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the subject property assessment. Where such analyses have been conducted by an outside laboratory, **Hydro Tech Environmental, Corp.** has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Chemical analyses have been performed for specific constituents during the course of this subject property assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the subject property.

This report was prepared solely for the use of the Client/User and is not intended for use by third parties. Unauthorized third parties shall indemnify and hold Hydro Tech harmless against any liability for any loss arising out of, or related to, reliance by any third party on any work performed hereunder, or the contents of this report.

## FIGURES



ADJACENT 2-STORY  
COMMERCIAL

ADJACENT 2-STORY  
COMMERCIAL

**521 - 525**

**517 - 519**

**511 - 515**

ADJACENT 13-STORY  
COMMERCIAL

SIDEWALK

WEST 36th STREET

ADJACENT 8-STORY  
COMMERCIAL



SCALE IN FEET (FT.)



**HYDRO TECH ENVIRONMENTAL CORP.**

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www.hydrotechenvironmental.com

NYC OFFICE: 15 OCEAN AVENUE, 2nd Floor  
BROOKLYN, NEW YORK 11225

511 - 515, 517 - 519, 521-525  
West 36th Street  
New York, NY.  
HTE Job# 120119

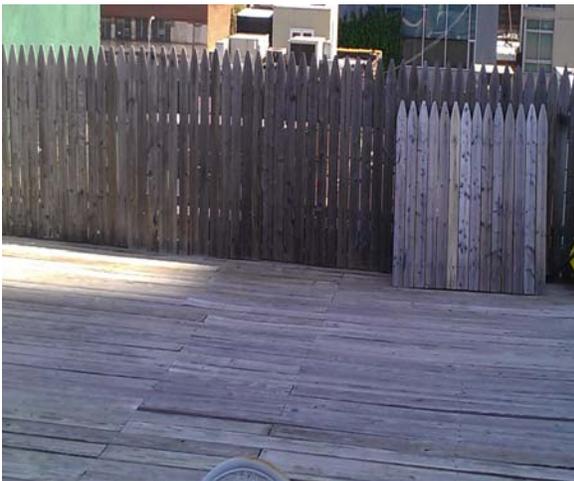
Drawn By: C.Q.  
Reviewed By: M.R.  
Approved By: M.S.  
Date: 06/21/12  
Scale: AS NOTED

TITLE:

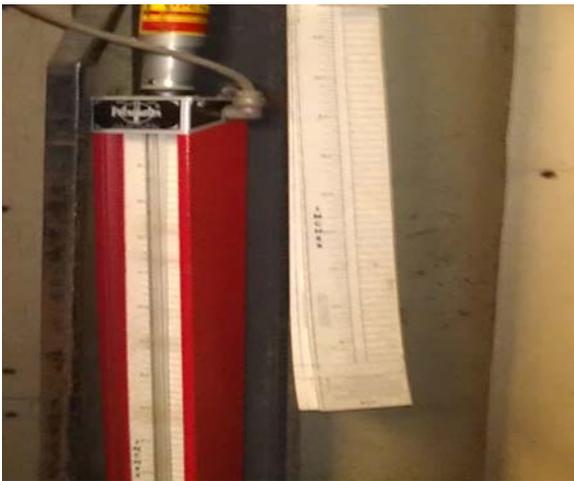
FIGURE 1: SITE PLAN

APPENDIX A  
PHOTOGRAPHS











**CERTIFICATE OF BOILER AND PRESSURE VESSEL INSPECTION**  
THIS IS A SERVICE OF THE CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS AND EMPLOYMENT DEVELOPMENT  
FOR THE REGULATION OF STEAM BOILERS AND PRESSURE VESSELS UNDER THE BOILER AND PRESSURE VESSEL ACT  
AND THE REGULATIONS THEREUNDER.

BOILER NO. 2618 ST | Location San Antonio | INSPECTED BY [Signature]  
INSPECTION DATE 5/16/10 | INSPECTOR [Signature] | INSPECTION TYPE Visual | INSPECTION RESULTS Pass

INSPECTION TYPE: Visual | INSPECTION RESULTS: Pass

Please direct all Inspection Requests and Inquiries to:  
**INSPECTION HOTLINE: (800) 333-4077**  
POST THIS CERTIFICATE IN A CONSPICUOUS PLACE NEAR THE BOILER/VESSEL.



APPENDIX B  
REGULATORY AGENCY DOCUMENTS

## Alina Jakubowska

---

**From:** Alina Jakubowska  
**Sent:** Friday, June 22, 2012 3:20 PM  
**To:** 'Foil r2foil'  
**Subject:** 120119 - 511-115, 517-519 & 521-525 West 36th ST, NY, NY -FOIL-  
**Attachments:** DEC Foil.pdf

Dear Foil Officer

Attached please find Foil Request Letter for the above referenced property.

Thank you  
Kindly  
Alina

Alina K. Jakubowska  
Sr. Project Coordinator  
[ajakubowska@hydrotechenvironmental.com](mailto:ajakubowska@hydrotechenvironmental.com)

Hydro Tech Environmental, Corp.  
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Brooklyn, NY 11225  
Tel: (718) 636-0800 Fax: (718) 636-0900

LI Office:  
77 Arkay Drive, Suite G  
Hauppauge, NY 11788  
Tel: (631) 462-5866 Fax: (631) 462-5877

This email may contain privileged and/or confidential information that is intended solely for the use of the addressee. If you are not the intended recipient or entity, you are strictly prohibited from disclosing, copying, distributing or using any of the information contained in the transmission. If you received this communication in error, please contact the sender immediately and destroy the material in its entirety, whether electronic or hard copy. This communication may contain nonpublic personal information about consumers subject to the restrictions of the Gramm-Leach-Bliley Act and the Sarbanes-Oxley Act. You may not directly or indirectly reuse or disclose such information for any purpose other than to provide the services for which you are receiving the information.

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Go Green! Please do not print this e-mail unless necessary



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Brooklyn, New York 11225  
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---

June 22, 2012

FOIL Division  
New York State DEC-Region II  
Hunters Point Plaza  
47-40 21<sup>st</sup> Street  
Long Island City, New York 11101-5407

**Re: Freedom of Information Act Request**

Dear Foil Officer:

Hydro Tech Environmental, Corp. is conducting Phase I Environmental Site Assessment Research at the following locations:

**Site Name:** West 36<sup>th</sup> Street in Manhattan, NY  
**Address:** 511-515, 517-519 & 521-525 W 36<sup>th</sup> St  
Manhattan, NY

**County:** New York  
**Tax** Block: 708  
**Map:** Lots: 20, 22 & 24

Please consider this a Freedom of Information Act request, for any information that you may have pertaining to the release of petroleum products and/or hazardous materials, or any other environmental concerns for this location.

Your assistance is appreciated. Please feel free to contact me at (718) 636-0800 with any questions.

Very Truly Yours  
Hydro Tech Environmental, Corp.

*Alina K. Jakubowska*

Ms. Alina K. Jakubowska  
cc HTE File # 120119

## Alina Jakubowska

---

**From:** Foil r2foil <r2foil@gw.dec.state.ny.us>  
**Sent:** Tuesday, June 26, 2012 10:33 AM  
**To:** Alina Jakubowska  
**Subject:** R2-12-1489-Jakubowska-Acknowledgment&website Search Advise.docx

June 21, 2012

FOIL: R2-12-1489

Ms Alina K Jakubowska/Hydro Tech Env. Corp  
718-636-0800  
F 718-636-0900  
[ajakubowska@hydrotechenvironmental.com](mailto:ajakubowska@hydrotechenvironmental.com)

Re: 511-515, 517-519 & 521-525 W 36th St in Manhattan

Dear Ms. Jakubowska:

We are in receipt of your Foil request for the above referenced site. The identification Number(s) assigned is: R2-12-1489.

If for any reason you need to contact us again please use these numbers. When the programs are done gathering the files/information, this office will contact you.

Please email your future FOILs to Region 2 directly to the following email address:  
[r2foil@gw.dec.state.ny.us](mailto:r2foil@gw.dec.state.ny.us)

Please expect our response within 20 business days from the date of this letter.

If you have any questions @ your FOIL, please call Gloria Silva/ or Cynthia Whiting/ FOIL Secretary at 718-484507, or email me providing the above FOIL # at: [r2foil@gw.dec.state.ny.us](mailto:r2foil@gw.dec.state.ny.us)

yours,  
Sincerely

Abdelsadek, Ph.D., P.E.  
Fawzy I.

Regional Enforcement Coordinator

Please be advised that in your future submission of FOILs to Region 2, you should include the Spill(s), or PBS(s) number(s) to expedite your request. This will give you more information @ all records that we may have related to your FOIL(s). So that you will submit FOILs, for those that the additional information/records are needed.

NYSDEC public websites that are listed below:

Please be advised that relevant information responsive to your request may be found at the following Department of Environmental Conservation/Remediation's websites:  
The Spills Database link is as follows:  
<http://www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=1>

HWR/Environmental Remediation Website:  
<http://www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=3>

The PBS Database link is as follows:  
<http://www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=4>

Also, you can search for Permits issued by NYSDEC by using the Link:  
<http://www.dec.ny.gov/cfm/xtapps/envapps/>

If you need assistance on how to search the above websites, please contact me.

Please email your future FOILs to Region 2 directly to the following email address:  
[r2foil@gw.dec.state.ny.us](mailto:r2foil@gw.dec.state.ny.us)

If after your search, additional information/records are needed, please include the spill #(s), or PBS #(s), Permit #(s) and exact street address of the site(s) you are requesting information for, and email your request(s) to Region 2. Please note that Region 2 policy is to submit a FOIL request for a maximum of two (2) sites/FOIL. If you didn't provide the results (i.e. spills/PBS #s) of your websites search within 10 days, your FOIL will be closed

You may resubmit your FOIL again providing the above requested information.

Thank you for your FOIL request. If you have any questions, please call Gloria Silva/FOIL Secretary at (718) 482-4507, or email me providing the above FOIL # at: [r2foil@gw.dec.state.ny.us](mailto:r2foil@gw.dec.state.ny.us).

Sincerely yours,

Fawzy I. Abdelsadek, Ph.D., P.E.  
Regional Enforcement Coordinator

Fawzy I. Abdelsadek, Ph.D., P.E.  
Regional Enforcement Coordinator & FOIL Coordinator New York State Department of Environmental Conservation Region 2  
47-40 21St Street  
Long Island City, NY 11101  
[Tel:\(718\) 482-4507](tel:7184824507)  
[Fax:\(718\) 482-6729](tel:7184826729)  
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---

## Fax

To:	NYCDEP Foil Officer	From:	Alina Jakubowska
Fax:	718 595 6543	Pages (Incl. Cover):	2
Re:	Foil Request	Date:	June 22 <sup>th</sup> ,2012
<input type="checkbox"/> Urgent	<input type="checkbox"/> Will follow via mail	<input checked="" type="checkbox"/> Won't follow via mail	

**Dear Foil Officer,**

Enclosed please find *Foil Letter Request* for the property located at 511-515, 517-519 & 521-525 West 36<sup>th</sup> St, New York, New York Block # 708 Lot # 20, 22 & 24.

After search please kindly forward all records to my email at [ajakubowska@hydrotechenvironmental.com](mailto:ajakubowska@hydrotechenvironmental.com)

**Thank you**

Hydro Tech Environmental, Corp.

*Alina Jakubowska*

Alina K. Jakubowska  
Sr. Project Coordinator

# NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

## Application for Records, Article 6 - New York State Public Officers Law, Freedom of Information Law

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Either send the complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19<sup>th</sup> Fl., Flushing, NY 11373, or fax to (718) 595-6543. **DO NOT FAX AND MAIL.**

**PART I. APPLICATION** - Check type of record(s) requested:

- |  |   |   |   |
|--|---|---|---|
| <input type="checkbox"/> Bid/ Procurement (ACCO)                                 | <input checked="" type="checkbox"/> Notices of Violation and decisions (ECB)                  | <input type="checkbox"/> Sewer main/line repair/construction (BWSO) | <input type="checkbox"/> Water bill accounts/ metering (BCS)                    |
| <input checked="" type="checkbox"/> Asbestos (BEC)                               | <input checked="" type="checkbox"/> Environmental Review/SEQRA (OEPA)                         | <input type="checkbox"/> Water Quality (BWS/WQ)                     | <input type="checkbox"/> Personnel records (HRM)                                |
| <input checked="" type="checkbox"/> Hazardous materials emergency response (BEC) | <input checked="" type="checkbox"/> Industrial Pretreatment/ sewer discharge violations (BWT) | <input type="checkbox"/> Watershed/ reservoir operations (BWS)      | <input checked="" type="checkbox"/> Wastewater Treatment Plant operations (BWT) |
| <input type="checkbox"/> Right To Know (BEC)                                     | <input type="checkbox"/> Water main/line repair/construction (BWSO)                           | <input type="checkbox"/> Watershed area incident reports (DEP PD)   | _____   |
| <input checked="" type="checkbox"/> Air permits/complaints/ inspections (BEC)    |   |   | _____   |
| <input checked="" type="checkbox"/> Noise complaints/ inspections (BEC)          |   |   | _____   |

I hereby apply to  inspect or  receive copies of the following records (use additional sheets as needed and attach):

Location: 511-55, 517-519, 521-525 Block # 708  
 Time frame/date of records: NEST 36<sup>th</sup> ST, NY, NY LOT# 20, 22, 24  
 Name: ALINA JAKUBOWSKA Phone: 718 636 0800 E-Mail: AJAKUBOWSKA@HYDROTECHENVIRONMENTAL.COM  
 Firm: HYDRO TECH ENVIRONMENTAL CORP.  
 Address: 15 OCEAN AVENUE, 2<sup>ND</sup> FLOOR City BROOKLYN State NY Zip Code 11225  
 Signature: *Alina J.* Date: 6-22-12

**PART II. DISPOSITION OF REQUEST (TO BE COMPLETED BY THE DEPARTMENT)**

- APPROVED**  **APPROVED IN PART** -- To arrange for access to the records, please contact:
- (Department Representative) \_\_\_\_\_ (Bureau) \_\_\_\_\_ (Phone No.) \_\_\_\_\_  
 Number of Pages: \_\_\_\_\_ x\$.25 per page = Cost: \_\_\_\_\_
- DENIED** **DENIED IN PART** -- for reason(s) checked: References are to Sec. 87 of the Public Officers Law.
- |  |   |
|--|---|
| <input type="checkbox"/> Exempt: State/Fed. Statute (2(a))   | <input type="checkbox"/> Exempt: Law Enforcement (2(e))     |
| <input type="checkbox"/> Invasion of personal privacy (2(b)) | <input type="checkbox"/> Inter/Intra-agency material (2(g)) |
| <input type="checkbox"/> Competitive position injury (2(d))  | <input type="checkbox"/> (Other) _____                      |

Brief Description of records not subject to disclosure \_\_\_\_\_

*A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19<sup>th</sup> Fl., Flushing, NY 11373*

- UNAVAILABLE** -- for reason(s) checked:
- |   |  |
|---|--|
| <input type="checkbox"/> Not described in sufficient detail                     | <input type="checkbox"/> Not maintained by this Department |
| <input type="checkbox"/> After search, no records responsive to request located |  |
| <input type="checkbox"/> (Other) _____  |  |

LOG NO.: \_\_\_\_\_

(Department Representative) \_\_\_\_\_ (Bureau) \_\_\_\_\_ (Date) \_\_\_\_\_



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[www.hydrotechenvironmental.com](http://www.hydrotechenvironmental.com)

---

June 22, 2012

Ms. Rena Bryant  
NYC Department of Health  
125 Worth Street - Room- 601 - Box 31  
New York, NY 10013

**RE: Freedom of Information Act Request**

Dear Ms. Bryant:

Hydro Tech Environmental, Corp. is conducting a Phase I Environmental Site Assessment research at the following locations:

**Site Name:** West 36<sup>th</sup> Street in Manhattan, NY  
**Address:** 511-515, 517-519 & 521-525 W 36<sup>th</sup> St  
Manhattan, NY

**County:** New York  
**Tax** Block: 708  
**Map:** Lots: 20, 22 & 24

Please consider this a Freedom of Information Act request, for any information that you may have pertaining to the release of petroleum products and/or hazardous materials, or any other environmental concerns for this location.

Your assistance is appreciated. Please feel free to contact me at (718) 636-0800 with any questions.

Very Truly Yours  
Hydro Tech Environmental, Corp.

*Alina K. Jakubowska*

Ms. Alina Jakubowska  
cc HTE File # 120119



[CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings  
**Property Profile Overview**

511 WEST 36 STREET  
 WEST 36 STREET 511 - 511

MANHATTAN 10018

BIN# 1080347

Census Tract : 99  
 Community Board : 104  
[Buildings on Lot](#) : 2

Tax Block : 708  
 Tax Lot : 24  
 Condo : NO  
 Vacant : NO

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#)

[View Challenge Results](#)

[View Certificates of Occupancy](#)

Cross Street(s): 10 AVENUE, AMTRAK-NORTHEAST LINE  
 DOB Special Place Name:  
 DOB Building Remarks:  
 Landmark Status: **Special Status:** N/A  
**Local Law:** NO **Loft Law:** NO  
**SRO Restricted:** NO **TA Restricted:** NO  
**UB Restricted:** NO  
**Little 'E' Restricted:** HAZMAT/NOISE **Grandfathered Sign:** NO  
**Legal Adult Use:** NO **City Owned:** NO  
**Additional BINs for Building:** NONE

**Special District:** HY - HUDSON YARDS

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

**Department of Finance Building Classification:** E9-WAREHOUSE

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	<a href="#">Elevator Records</a>
Complaints	0	0	<a href="#">Electrical Applications</a>
<a href="#">Violations-DOB</a>	1	0	<a href="#">Permits In-Process / Issued</a>
<a href="#">Violations-ECB (DOB)</a>	1	0	<a href="#">Illuminated Signs Annual Permits</a>
<a href="#">Jobs/Filings</a>	1		<a href="#">Plumbing Inspections</a>
ARA / LAA Jobs	0		<a href="#">Open Plumbing Jobs / Work Types</a>
Total Jobs	1		<a href="#">Facades</a>
<a href="#">Actions</a>	34		<a href="#">Marquee Annual Permits</a>

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

[Boiler Records](#)  
[DEP Boiler Information](#)  
[Crane Information](#)  
[After Hours Variance Permits](#)

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.



 [CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings

**DOB Violations**

Page: 1

Premises: 511 WEST 36 STREET MANHATTAN

BIN: [1080347](#) Block: 708 Lot: 24

NUMBER

TYPE

FILE DATE

V\* 4577-72P

DOB VIOLATION - CLOSED

00/00/0000

CLOSURE DATE: 09/28/2011

Select Violation Type:

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.



[CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings  
**ECB Query By Location**

Page: 1 of 1

Premises: 511 WEST 36 STREET MANHATTAN

BIN: [1080347](#) Block: 708 Lot: 24 CB: 104

Dept. of Buildings Violations & Compliance	
Total Issued = 1	Open (Non-Compliance) = 0

ECB Hearings	
Completed / Defaulted = 1	Pending = 0

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
<a href="#">38005506R</a>	RESOLVED - CURE ACCEPTED Severity: NON-HAZARDOUS	LOWNES, DONALD	CURED/IN-VIO	01/10/1991	<a href="#">B8G</a> Viol Type: ELEVATOR	\$0.00

**Compliance Status** (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

**ECB Hearing Status** and the **ECB Penalty Due** are separate from **Compliance Status** (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

Severity Class	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

Violation Status Descriptions	ECB Hearing Status
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

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NYC Department of Buildings  
**Job Overview**

Page: 1 of 1

Premises: 511 WEST 36 STREET MANHATTAN

BIN: [1080347](#) Block: 708 Lot: 24

To start overview at new date, select Month:  - Day:  Year:

-  -

FILE DATE	JOB #	DOC #	JOB TYPE	JOB STATUS	STATUS DATE	LIC #	APPLICANT	IN AUDIT	ZONING APPROVAL
11/16/1995	<a href="#">101156268</a>	01	A2	R PERMIT-ENTIRE	11/17/1995	0054580 PE	RUFFALO		NOT APPLICABLE

APPLICATION FILED TO LEGALIZE INSTALL- ATION OF (2) TWO 5-TON CONDENS-  
 Work on Floor(s): ROF

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NYC Department of Buildings  
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Premises: 511 WEST 36 STREET MANHATTAN

BIN: [1080347](#) Block: 708 Lot: 24

NUMBER	TYPE	FILE DATE
ALT 1249-03*	ALTERATION	00/00/1903
ALT 3181-11P	ALTERATION	00/00/1911
ALT 326-19*	ALTERATION	00/00/1919
ALT 1819-20*	ALTERATION	00/00/1920
ALT 2248-20	ALTERATION	00/00/1920
ALT 2248-20	ALTERATION	11/16/1920
ALT 157-27	ALTERATION	00/00/1927
ALT 1603-35	ALTERATION	00/00/1935
ALT 631-71P	ALTERATION	00/00/1971
ALT 993-77*	ALTERATION	00/00/1977

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NYC Department of Buildings

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BIN: [1080347](#) Block: 708 Lot: 24

NUMBER	TYPE	FILE DATE
ALT 14-93*	ALTERATION	00/00/1993
BN 2995-41	BUILDING NOTICE	00/00/1941
BN 2996-41DROPCURB	BUILDING NOTICE	00/00/1941
BN 5040-71E	BUILDING NOTICE	00/00/1971
BN 4215-87	BUILDING NOTICE	05/13/1987
<a href="#">CO 2384</a> <a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 72963</a> <a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
CUR 703-41		00/00/1941
FO 1308-73	OIL BURNER APPLICATION	00/00/1973
MIS 846-77	MISCELLANEOUS	00/00/1977

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NYC Department of Buildings

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Premises: 511 WEST 36 STREET MANHATTAN

BIN: [1080347](#) Block: 708 Lot: 24

NUMBER	TYPE	FILE DATE
NB 27-86*	NEW BUILDING	00/00/1986
P 235-27	PLUMBING	00/00/1927
P 1071-35	PLUMBING	00/00/1935
PER 854-27G	PERMIT	00/00/1927
PER 1612-35G	PERMIT	00/00/1935
PRS 627-51	PLUMBING REPAIR SLIP	00/00/1951
PRS 738-55	PLUMBING REPAIR SLIP	00/00/1955
PRS 119-58	PLUMBING REPAIR SLIP	00/00/1958
PRS 264-72	PLUMBING REPAIR SLIP	00/00/1972
SPR 1461-58	SPRINKLERS	00/00/1958

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NYC Department of Buildings

Actions

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Premises: 511 WEST 36 STREET MANHATTAN

BIN: [1080347](#) Block: 708 Lot: 24

NUMBER	TYPE	FILE DATE
SR 4022-41	SPECIAL REPORT	00/00/1941
UB 1767-06*	UNSAFE BUILDING	00/00/1906
UB 1812-13*	UNSAFE BUILDING	00/00/1913
UB 1736-16*	UNSAFE BUILDING	00/00/1916
V* 4577-72P	DOB VIOLATION - CLOSED	00/00/0000
CLOSURE DATE: 09/28/2011		
<a href="#">VEC* 011091E1374A01</a>	ECB VIOLATION DISMISSED	01/10/1991

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**BUREAU OF BUILDINGS**  
**BOROUGH OF MANHATTAN, CITY OF NEW YORK**



**CERTIFICATE OF OCCUPANCY No. 708 19 20**

THIS CERTIFIES that the building located on Block **708** Lot **24** known as **511-15 West 36 Street, 75' front** conforms substantially to the approved plans and specifications of **Alt.** Application No. **1819** 19 **20** and to all the requirements of the BUILDING CODE AND BUILDING ZONE RESOLUTION of the City of New York for a **non-fireproof, 6 story & cellar, warehouse.**

and that the several floors may sustain the live loads, accommodate the number of persons, and be occupied as follows:

FLOORS	Live Load per Square Foot in POUNDS	Number and Classification Persons on each Floor	OCCUPANCY
Cellar	---		STORAGE
1st floor & floors above	250	5 employees in the entire building.	STORAGE WAREHOUSE.

**AMENDED COO # 72963**  
 DATED 2-2-23

CORRECTIONS PENDING  
*Spencer*  
 12/6/20

This certificate is issued to **Ludin Realty Co.,** owners of the aforesaid building, address **261 W. 36 St., N.Y. City.** in accordance with the provisions of Section 5, Article I, Chapter 5 of the Code of Ordinances of the City of New York, and Chapter 503, Section 411-a of the Greater New York Charter.

DATED **Dec. 6, 1920.**

*[Signature]*  
 Superintendent of Buildings

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DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

Date February 7, 1973

No.

CERTIFICATE OF OCCUPANCY 72903

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

AMENDS

This certificate amends C. O. No. 2384

THIS CERTIFIES that the new-altered-existing-building-premises located at

511-515 West 36th Street Block 708 Lot 24

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the north side of West 36th Street distant 175 feet from the corner formed by the intersection of West 36th Street and 10th Avenue running thence north 98.91 feet; thence west 75 feet; thence south feet; thence east 75 feet; thence feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646e of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

Occupancy classification - Commercial, Construction classification - Class 3 Nonfireproof, Height 6 stories, 75 feet, Located in M 1-5 Zoning District, Date of completion - July 12, 1972, at time of issuance of permit.

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: and the City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces Off-Street Loading Berths

Table with 4 columns: STORY, LIVE LOADS (Lbs. per Sq. Ft.), PERSONS ACCOMMODATED, USE. Rows include 0el., 1st, 2nd, 3rd, 4th, 5th, 6th floors. Includes a NOTE: This is an AMENDED Certificate of Occupancy for change of use on 2nd floor only.

Sewage Disposal: Sanitary Drainage (DOES) (DOES NOT) Discharge Into Either Sanitary or Combined Sewer Storm Drainage (DOES) (DOES NOT) Discharge Into Either Storm or Combined Sewer

Signature of Borough Superintendent





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NYC Department of Buildings  
Property Profile Overview

515 WEST 36 STREET  
WEST 36 STREET 513 - 515

MANHATTAN 10018

BIN# 1080348

Census Tract : 99  
Community Board : 104  
[Buildings on Lot](#) : 2

Tax Block : 708  
Tax Lot : 24  
Condo : NO  
Vacant : NO

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#)

[View Challenge Results](#)

[View Certificates of Occupancy](#)

Cross Street(s): 10 AVENUE, AMTRAK-NORTHEAST LINE  
DOB Special Place Name:  
DOB Building Remarks:  
Landmark Status: **Special Status:** N/A  
Local Law: YES **Loft Law:** NO  
SRO Restricted: NO **TA Restricted:** NO  
UB Restricted: NO  
Little 'E' Restricted: HAZMAT/NOISE **Grandfathered Sign:** NO  
Legal Adult Use: NO **City Owned:** NO  
Additional BINs for Building: NONE

Special District: HY - HUDSON YARDS

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: E9-WAREHOUSE

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
<a href="#">Complaints</a>	1	0
<a href="#">Violations-DOB</a>	33	25
Violations-ECB (DOB)	0	0
<a href="#">Jobs/Filings</a>	4	
<a href="#">ARA / LAA Jobs</a>	1	
Total Jobs	5	
<a href="#">Actions</a>	29	

- [Elevator Records](#)
- [Electrical Applications](#)
- [Permits In-Process / Issued](#)
- [Illuminated Signs Annual Permits](#)
- [Plumbing Inspections](#)
- [Open Plumbing Jobs / Work Types](#)
- [Facades](#)
- [Marquee Annual Permits](#)
- [Boiler Records](#)
- [DEP Boiler Information](#)
- [Crane Information](#)
- [After Hours Variance Permits](#)

OR Enter Action Type:

OR Select from List:

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AND

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NYC Department of Buildings

## Complaints By Address

Click [here](#) for information on how to remove a Stop Work Order from your property

Page: 1 of 1

1 Total Complaints

[View SWO Complaints](#) BIN: **1080348**

Looking for a list of complaint [category codes](#) or [disposition codes](#)?  
(Adobe Acrobat Reader required)

Complaint Number	Address	Date Entered	Category	Inspection Date	Disposition	Status
<a href="#">1037469</a>	515 WEST 36 STREET	10/23/1995	05	08/12/1996	I2	RES

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NYC Department of Buildings  
**DOB Violations**

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Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

NUMBER	TYPE	FILE DATE
V* 1212-75E131 CLOSURE DATE: 09/28/2011	DOB VIOLATION - CLOSED	00/00/0000
V* 4577-73P CLOSURE DATE: 09/28/2011	DOB VIOLATION - CLOSED	00/00/0000
V* 9389-72 CLOSURE DATE: 09/28/2011	DOB VIOLATION - CLOSED	00/00/0000
V* 072385E138542 CLOSURE DATE: 09/28/2011	DOB VIOLATION - CLOSED	00/00/0000
V* 092579E1409B1 CLOSURE DATE: 09/28/2011	DOB VIOLATION - CLOSED	00/00/1979
V* 101584E146442 DISMISSAL DATE: 05/13/1985	DOB VIOLATION - DISMISSED	10/15/1984
V* 072385E138342 DISMISSAL DATE: 07/30/1986	DOB VIOLATION - DISMISSED	07/23/1985
V* 012988LL1081SS00787 CLOSURE DATE: 09/28/2011	DOB VIOLATION - CLOSED	00/00/1988
<a href="#">V 090194LL629104219</a>	DOB VIOLATION - ACTIVE	09/01/1994
<a href="#">V 100802E9013/161537</a>	DOB VIOLATION - ACTIVE	10/08/2002

Next

Select Violation Type:  ·

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NYC Department of Buildings

**DOB Violation Display for 090194LL629104219**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 09/01/1994

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 04219

Device No.: 00081013 - 01-COMMERCIAL

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 100802E9013/161537**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: 1080348 Block: 708 Lot: 24

Issue Date: 10/08/2002

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9013/161537

Device No.:

ECB No.:

Infraction Codes:

Description: 1F2701

Disposition:

Code: Date:

Inspector:

Comments:

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NYC Department of Buildings  
**DOB Violations**

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Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

NUMBER	TYPE	FILE DATE
<a href="#">V 012799E9011/102478</a>	DOB VIOLATION - ACTIVE	01/27/1999
<a href="#">V 020700LL629101796</a>	DOB VIOLATION - ACTIVE	02/07/2000
<a href="#">V 101100E9013/129393</a>	DOB VIOLATION - ACTIVE	10/11/2000
<a href="#">V 022701LL629101857</a>	DOB VIOLATION - ACTIVE	02/27/2001
<a href="#">V 021902LL108100515</a>	DOB VIOLATION - ACTIVE	02/19/2002
<a href="#">V 032602LL629101891</a>	DOB VIOLATION - ACTIVE	03/26/2002
<a href="#">V 031903LL629101720</a>	DOB VIOLATION - ACTIVE	03/19/2003
<a href="#">V 021304LL629104653</a>	DOB VIOLATION - ACTIVE	02/13/2004
<a href="#">V 013105LL629104540</a>	DOB VIOLATION - ACTIVE	01/31/2005
<a href="#">V 010606LL629103901</a>	DOB VIOLATION - ACTIVE	01/06/2006

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NYC Department of Buildings  
**DOB Violations**

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Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

NUMBER	TYPE	FILE DATE
<a href="#">V 091306E9444/174526</a>	DOB VIOLATION - ACTIVE	09/13/2006
<a href="#">V 011907LL629104143</a>	DOB VIOLATION - ACTIVE	01/19/2007
<a href="#">V 070307E9444/206198</a>	DOB VIOLATION - ACTIVE	07/03/2007
<a href="#">V 010308LL629103999</a>	DOB VIOLATION - ACTIVE	01/03/2008
<a href="#">V 050708E9444/252440</a>	DOB VIOLATION - ACTIVE	05/07/2008
<a href="#">V 010109LL629104069</a>	DOB VIOLATION - ACTIVE	01/01/2009
<a href="#">V 060509E9444/302147</a>	DOB VIOLATION - ACTIVE	06/05/2009
<a href="#">V 041610E9028/333237</a>	DOB VIOLATION - ACTIVE	04/16/2010
<a href="#">V 123109LBLVIO05359</a>	DOB VIOLATION - ACTIVE	12/31/2009
<a href="#">V 100810VCAT100710</a>	DOB VIOLATION - ACTIVE	10/08/2010

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NYC Department of Buildings

DOB Violations

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Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

NUMBER

TYPE

FILE DATE

[V 021111E9028/367640](#)

DOB VIOLATION - ACTIVE

02/11/2011

[V 121311LBLVIO04538](#)

DOB VIOLATION - ACTIVE

12/13/2011

[V 121311EVCAT100501](#)

DOB VIOLATION - ACTIVE

12/13/2011

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NYC Department of Buildings

**DOB Violation Display for 012799E9011/102478**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 01/27/1999

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9011/102478

Device No.:

ECB No.:

Infraction Codes:

Description: 1F2701

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 020700LL629101796**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 02/07/2000

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 01796

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 101100E9013/129393**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 10/11/2000

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9013/129393

Device No.:

ECB No.:

Infraction Codes:

Description: 1F2701

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 022701LL629101857**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: 1080348 Block: 708 Lot: 24

Issue Date: 02/27/2001

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 01857

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 021902LL108100515**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 02/19/2002

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL1081 - LOCAL LAW 10/81

Violation Number: 00515

Device No.:

ECB No.:

Infraction Codes:

Description:

Disposition:

Code: Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 032602LL629101891**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 03/26/2002

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 01891

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 031903LL629101720**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: 1080348 Block: 708 Lot: 24

Issue Date: 03/19/2003

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 01720

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 021304LL629104653**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 02/13/2004

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 04653

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 013105LL629104540**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: 1080348 Block: 708 Lot: 24

Issue Date: 01/31/2005

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 04540

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 010606LL629103901**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 01/06/2006

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 03901

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 091306E9444/174526**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 09/13/2006

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9444/174526

Device No.: [001F2701](#)

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 011907LL629104143**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 01/19/2007

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 04143

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 070307E9444/206198**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 07/03/2007

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9444/206198

Device No.: [001F2701](#)

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 010308LL629103999**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 01/03/2008

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 03999

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 050708E9444/252440**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 05/07/2008

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9444/252440

Device No.: [001F2701](#)

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 010109LL629104069**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 01/01/2009

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LL6291 - LOCAL LAW 62/91 - BOILERS

Violation Number: 04069

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 060509E9444/302147**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 06/05/2009

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9444/302147

Device No.: [001F2701](#)

ECB No.:

Infraction Codes:

Description:

Disposition:

Code: Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 041610E9028/333237**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 04/16/2010

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9028/333237

Device No.: [001F2701](#)

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 123109LBLVIO05359**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 12/31/2009

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LBLVIO - LOW PRESSURE BOILER VIOLATION

Violation Number: 05359

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 100810VCAT100710**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 10/08/2010

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: VCAT1 - ELEVATOR ANNUAL INSPECTION / TEST

Violation Number: 00710

Device No.: [E0900710](#)

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 021111E9028/367640**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 02/11/2011

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9028/367640

Device No.: [001F2701](#)

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 121311LBLVIO04538**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: 1080348 Block: 708 Lot: 24

Issue Date: 12/13/2011

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: LBLVIO - LOW PRESSURE BOILER VIOLATION

Violation Number: 04538

Device No.: 00109650 - 01-RESIDENTIA

ECB No.:

Infraction Codes:

Description: VIOLATION ISSUED FOR FAILURE TO FILE ANNUAL BOILER 2010 INSPECTION REPORT

Disposition:

Code: Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 121311EVCAT100501**

Premises: 515 WEST 36 STREET MANHATTAN

BIN: [1080348](#) Block: 708 Lot: 24

Issue Date: 12/13/2011

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: EVCAT1 - ELEVATOR ANNUAL INSPECTION / TEST

Violation Number: 00501

Device No.: [E1025976](#)

ECB No.:

Infraction Codes:

Description: VIOLATION ISSUED TO ELEVATOR-FAILURE TO FILE CATEGORY 1 2010 INSPECTION/TEST

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings  
**Property Profile Overview**

517 WEST 36 STREET  
 WEST 36 STREET 517 - 519

MANHATTAN 10018

BIN# 1012492

Census Tract : 99  
 Community Board : 104  
 Buildings on Lot : 1

Tax Block : 708  
 Tax Lot : 22  
 Condo : NO  
 Vacant : NO

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#)

[View Challenge Results](#)

[View Certificates of Occupancy](#)

Cross Street(s): 10 AVENUE, AMTRAK-NORTHEAST LINE  
 DOB Special Place Name:  
 DOB Building Remarks:  
 Landmark Status: **Special Status:** N/A  
 Local Law: NO **Loft Law:** NO  
 SRO Restricted: NO **TA Restricted:** NO  
 UB Restricted: NO  
 Little 'E' Restricted: HAZMAT/NOISE **Grandfathered Sign:** NO  
 Legal Adult Use: NO **City Owned:** NO  
 Additional BINs for Building: NONE

Special District: HY - HUDSON YARDS

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: G9-GARAGE/GAS STAT'N

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
<a href="#">Complaints</a>	7	0
<a href="#">Violations-DOB</a>	7	4
<a href="#">Violations-ECB (DOB)</a>	4	2
<a href="#">Jobs/Filings</a>	15	
ARA / LAA Jobs	0	
Total Jobs	15	
<a href="#">Actions</a>	54	

- [Elevator Records](#)
- [Electrical Applications](#)
- [Permits In-Process / Issued](#)
- [Illuminated Signs Annual Permits](#)
- [Plumbing Inspections](#)
- [Open Plumbing Jobs / Work Types](#)
- [Facades](#)
- [Marquee Annual Permits](#)
- [Boiler Records](#)
- [DEP Boiler Information](#)
- [Crane Information](#)
- [After Hours Variance Permits](#)

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

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NYC Department of Buildings

**Complaints By Address**

Click [here](#) for information on how to remove a Stop Work Order from your property

Page: 1 of 1

7 Total Complaints

[View SWO Complaints](#) BIN: [1012492](#)

Looking for a list of complaint [category codes](#) or [disposition codes](#)?  
(Adobe Acrobat Reader required)

Complaint Number	Address	Date Entered	Category	Inspection Date	Disposition	Status
<a href="#">1267531</a>	517 WEST 36 STREET	10/14/2009	05	10/20/2009	A8	RES
<a href="#">1267530</a>	517 WEST 36 STREET	10/14/2009	45	10/20/2009	A8	RES
<a href="#">1148584</a>	517 WEST 36 STREET	08/17/2005	73	08/17/2005	A9	RES
<a href="#">1134452</a>	517 WEST 36 STREET	12/29/2004	05	01/11/2005	A9	RES
<a href="#">1077893</a>	517 WEST 36 STREET	07/24/2000	73	08/09/2000	I2	RES
<a href="#">1077895</a>	517 WEST 36 STREET	07/24/2000	37	08/16/2000	I2	RES
<a href="#">1045222</a>	517 WEST 36 STREET	11/06/1996	05	11/13/1996	I2	RES

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NYC Department of Buildings

**DOB Violations**

Page: 1

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

NUMBER	TYPE	FILE DATE
V* 2207-20	DOB VIOLATION - DISMISSED	00/00/0000
<a href="#">V* 021491CMTF2LE</a>	DOB VIOLATION - DISMISSED	02/14/1991
<a href="#">V* 021491CMTF1LE</a>	DOB VIOLATION - DISMISSED	02/14/1991
<a href="#">V 101200CMTF01RNS</a>	DOB VIOLATION - ACTIVE	10/12/2000
<a href="#">V 101200CMTF02RNS</a>	DOB VIOLATION - ACTIVE	10/12/2000
<a href="#">V 012901CMTF02RNS</a>	DOB VIOLATION - ACTIVE	01/29/2001
<a href="#">V 111408E9444/280922</a>	DOB VIOLATION - ACTIVE	11/14/2008

Select Violation Type: [Show All Violations](#) [Refresh](#)

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NYC Department of Buildings

**DOB Violation Display for 101200CMTF01RNS**

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

Issue Date: 10/12/2000

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: C - CONSTRUCTION

Violation Number: MTF01RNS

Device No.:

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 101200CMTF02RNS**

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

Issue Date: 10/12/2000

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: C - CONSTRUCTION

Violation Number: MTF02RNS

Device No.:

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 012901CMTF02RNS**

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

Issue Date: 01/29/2001

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: C - CONSTRUCTION

Violation Number: MTF02RNS

Device No.:

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 111408E9444/280922**

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

Issue Date: 11/14/2008

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9444/280922

Device No.: [001F2694](#)

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings  
ECB Query By Location

Page: 1 of 1

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22 CB: 104

Dept. of Buildings Violations & Compliance	
Total Issued = 4	Open (Non-Compliance) = 2

ECB Hearings	
Completed / Defaulted = 4	Pending = 0

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
<a href="#">34808571R</a>	OPEN - NO COMPLIANCE RECORDED Severity: CLASS - 1	NANCI REALTY CORP Inspect Unit: MANHATTAN CONSTRUCTION	IN VIOLATION	10/20/2009	<a href="#">101, 201</a>	\$0.00
<a href="#">34808570P</a>	OPEN - NO COMPLIANCE RECORDED Severity: CLASS - 2	NANCI REALTY CORP Inspect Unit: MANHATTAN CONSTRUCTION	IN VIOLATION	10/20/2009	<a href="#">203</a>	\$0.00
<a href="#">34455739K</a>	RESOLVED - CURE ACCEPTED Severity: NON-HAZARDOUS	QUADRILLE REALTY INC Inspect Unit: MANHATTAN CONSTRUCTION	CURED/IN-VIO	01/11/2005	<a href="#">BP5</a>	\$0.00
<a href="#">34484239R</a>	RESOLVED - CURE ACCEPTED Severity: NON-HAZARDOUS	SAKKA RICHARD Inspect Unit: MANHATTAN CONSTRUCTION	CURED/IN-VIO	08/17/2005	<a href="#">B07</a>	\$0.00

**Compliance Status** (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

**ECB Hearing Status** and the **ECB Penalty Due** are separate from **Compliance Status** (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

Severity Class	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

Violation Status Descriptions	ECB Hearing Status
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

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NYC Department of Buildings  
Job Overview

Page: 1 of 1

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

To start overview at new date, select Month:

Day:

Year:

Show All BIS Job Types

Show All Filings

APPLY

FILE DATE	JOB #	DOC #	JOB TYPE	JOB STATUS	STATUS DATE	LIC #	APPLICANT	IN AUDIT	ZONING APPROVAL
02/01/1991	<a href="#">100140937</a>	01	A1	J P/E DISAPPROVED	06/24/1991	0065024 PE	FLAQUER		NOT APPLICABLE
TO INSTALL NEW GAS LINE FOR PIZZA OVEN AND GENERAL CONSTRUCTION Work on Floor(s): 1									
08/19/1991	<a href="#">100140937</a>	02	A1	D A/P ENTIRE	08/19/1991	0065024 PE	FLAQUER		NOT APPLICABLE
INSTALLATION OF A CANVAS CANOPY AS PER P LAN FILED UNDER ALT 100140937. Work on Floor(s): 1									
10/07/1993	<a href="#">100697934</a>	01	A1	X SIGNED OFF	08/09/1996	0020842 RA	ESTRELLA		NOT APPLICABLE
NEW PIZZERIA AT 1ST FLR. AS INDICATED ON PLAN,TO CONVERT 2ND&3RD FLR.FRO Work on Floor(s): 1 thru 3									
04/29/1996	<a href="#">101004869</a>	01	A2	J P/E DISAPPROVED	05/08/1996	0020842 RA	ESTRELLA		NOT APPLICABLE
JOB WITHDRAWN 07312011 TO INSTALL NEW FIRE SUPPRESSION SYSTEM. NO CHANGE I Work on Floor(s): 001									
05/28/1996	<a href="#">100697934</a>	02	A1	P APPROVED	06/10/1996	0020842 RA	ESTRELLA		NOT APPLICABLE
POST APPROVAL AMENDMENT FOR 01 NEW PIZZERIA AT 1ST FLR. AS INDICATED ON PL Work on Floor(s): 1 thru 3									
09/10/1998	<a href="#">102065355</a>	01	A1	R PERMIT-ENTIRE	08/22/2001	0064508 PE	Khoury		NOT APPLICABLE
ADD TWO FLOORS OVER THE EXISTING ONE-STO RY GARAGE AND ALTER THE EXISTIN Work on Floor(s): 001,002,003									
10/19/1999	<a href="#">102065355</a>	02	A1	P APPROVED	10/19/1999	0064508 PE	Khoury		NOT APPLICABLE
POST APPROVAL AMENDMENT FOR 01 Work on Floor(s): 001,002,003									
03/03/2000	<a href="#">102647110</a>	01	A2	P APPROVED	05/12/2000	0021124 RA	Shuttlew		NOT APPLICABLE
No work under this application. Filing is made to certify number of existi Work on Floor(s): 001									
05/17/2001	<a href="#">102557314</a>	01	SG	R PERMIT-ENTIRE	06/12/2001	0020478 RA	Leder-Lu		NOT

APPLICABLE

Install 4' x 6' double sided advertising illuminated wall sign. Changeble  
Work on Floor(s): 001

05/17/2001 [102557323](#) 01 SG R PERMIT-ENTIRE 06/12/2001 0020478 RA Leder-Lu

NOT  
APPLICABLE

Install 4' x 6' double sided advertising illuminated wall sign. Changeble  
Work on Floor(s): 001

05/17/2001 [102557341](#) 01 SG R PERMIT-ENTIRE 06/12/2001 0020478 RA Leder-Lu

NOT  
APPLICABLE

Install 4' x 6' double sided advertising illuminated wall sign. Changeble  
Work on Floor(s): 001

08/24/2001 [102065355](#) 03 A1 G PAA FEE DUE 08/24/2001 0064508 PE Khoury

NOT  
APPLICABLE

DOC WITHDRAWN 12212001 ADD TWO FLOORS OVER THE EXISTING ONE-STORY GARAGE A  
Work on Floor(s): 001,002,003

12/21/2001 [102065355](#) 04 A1 P APPROVED 01/02/2002 0064508 PE Khoury

NOT  
APPLICABLE

POST APPROVAL AMENDMENT FOR 01 ADD TWO FLOORS OVER THE EXISTING ONE-STO RY  
Work on Floor(s): 001,002,003

01/27/2003 [102065355](#) 05 A1 D A/P ENTIRE 02/03/2003 0064508 PE Khoury

NOT  
APPLICABLE

DOC WITHDRAWN 04042003  
Work on Floor(s): 001,002,003

04/22/2003 [102065355](#) 06 A1 P APPROVED 05/14/2003 0064508 PE Khoury

NOT  
APPLICABLE

POST APPROVAL AMENDMENT FOR 01  
Work on Floor(s): 001,002,003

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Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

NUMBER	TYPE	FILE DATE
ALT 2519-07	ALTERATION	00/00/1907
ALT 3173-07	ALTERATION	00/00/1907
ALT 956-12	ALTERATION	00/00/1912
ALT 634-18*	ALTERATION	00/00/1918
ALT 779-20*	ALTERATION	00/00/1920
ALT 1275-20*	ALTERATION	00/00/1920
ALT 779-20*	ALTERATION	00/00/1920
ALT 772-73*	ALTERATION	00/00/1973
BN 600-65P	BUILDING NOTICE	00/00/1965
<a href="#">CO 2876</a> <a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000

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Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

NUMBER		TYPE	FILE DATE
<a href="#">CO 8650</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 2876</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 8650</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 109751</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	07/16/1996
<a href="#">CO 109915</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	08/13/1996
CO 102065355T(11/6/03)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	11/06/2003
CO 102065355T(01/05/06)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	01/05/2006
COM 189-62		COMPLAINTS	00/00/1962
COM 189-62		COMPLAINTS	00/00/1962
DP 218-19		DEMOLITION PERMIT	00/00/1919

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Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

NUMBER	TYPE	FILE DATE
DP 218-19*	DEMOLITION PERMIT	00/00/1919
ESA 147-25	ELECTRIC SIGN APPLICATION	00/00/1925
ESA 3634-35	ELECTRIC SIGN APPLICATION	00/00/1935
ESA 3634-35	ELECTRIC SIGN APPLICATION	00/00/1935
FE 2863-99*	FIRE ESCAPE	00/00/1999
MIS 538-35FP	MISCELLANEOUS	00/00/1935
MIS 538-35FP	MISCELLANEOUS	00/00/1935
NB 231-19*	NEW BUILDING	00/00/1919
NB 231-19*	NEW BUILDING	00/00/1919
NB 175-82*	NEW BUILDING	00/00/1982

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Premises: 517 WEST 36 STREET MANHATTAN

NUMBER	TYPE	FILE DATE
P 543-18	PLUMBING	00/00/1918
P 1423-19	PLUMBING	00/00/1919
P 1423-19	PLUMBING	00/00/1919
P 1169-20	PLUMBING	00/00/1920
P 1169-20	PLUMBING	00/00/1920
P 948-20	PLUMBING	00/00/1920
PRS 2672-64	PLUMBING REPAIR SLIP	00/00/1964
SR 3662-18	SPECIAL REPORT	00/00/1918
SR 5346-20	SPECIAL REPORT	00/00/1920
SR 5346-20	SPECIAL REPORT	00/00/1920

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Premises: 517 WEST 36 STREET MANHATTAN

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NUMBER	TYPE	FILE DATE
SR 3742-24FD	SPECIAL REPORT	00/00/1924
UB 1768-06*	UNSAFE BUILDING	00/00/1906
UB 1544-15*	UNSAFE BUILDING	00/00/1915
UB 1507-26*	UNSAFE BUILDING	00/00/1926
UB 1507-26*	UNSAFE BUILDING	00/00/1926
UB 25-27*	UNSAFE BUILDING	00/00/1927
UB 25-27*	UNSAFE BUILDING	00/00/1927
UB 291-31*	UNSAFE BUILDING	00/00/1931
UB 801-31*	UNSAFE BUILDING	00/00/1931
UB 291-31*	UNSAFE BUILDING	00/00/1931

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NUMBER	TYPE	FILE DATE
UB 801-31*	UNSAFE BUILDING	00/00/1931
UB* 1496-36		00/00/1936
UB* 1496-36*		00/00/1936
UB* 1496-36*		00/00/1936
V* 2207-20	DOB VIOLATION - DISMISSED	00/00/0000
<a href="#">V* 021491CMTF2LE</a>	DOB VIOLATION - DISMISSED	02/14/1991
<a href="#">V* 021491CMTF1LE</a>	DOB VIOLATION - DISMISSED	02/14/1991
<a href="#">V 101200CMTF01RNS</a>	DOB VIOLATION - ACTIVE	10/12/2000
<a href="#">V 101200CMTF02RNS</a>	DOB VIOLATION - ACTIVE	10/12/2000
<a href="#">V 012901CMTF02RNS</a>	DOB VIOLATION - ACTIVE	01/29/2001

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Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

NUMBER	TYPE	FILE DATE
<a href="#">V 111408E9444/280922</a>	DOB VIOLATION - ACTIVE	11/14/2008
<a href="#">VECB 102009C04WW02</a>	ECB VIOLATION - ACTIVE	10/20/2009
<a href="#">VECB 102009C04WW01</a>	ECB VIOLATION - ACTIVE	10/20/2009
<a href="#">VEC* 011105C04AL01</a>	ECB VIOLATION DISMISSED	01/11/2005
<a href="#">VEC* 081705C05M03</a>	ECB VIOLATION DISMISSED	08/17/2005

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**BUREAU OF BUILDINGS**  
**BOROUGH OF MANHATTAN, CITY OF NEW YORK**

**CERTIFICATE OF OCCUPANCY No. 20000 1921**

THIS CERTIFIES that the building located on Block **708** Lot **32-23** known as **517-19 West 56 Street, 60' front,** conforms substantially to the approved plans and specifications of **Alt.** Application No. **779 19 20** and to all the requirements of the **BUILDING CODE AND BUILDING ZONE RESOLUTION** of the City of New York **for a non-fireproof, cellar, 1 and 3 story Garage.**

and that the several floors may sustain the live loads, accommodate the number of persons, and be occupied as follows:

FLOORS	Live Load per Square Foot in POUNDS	Number and Classification Persons on each Floor	OCCUPANCY
Cellar	---		Boiler Room
1st Floor	----	---	Garage
2nd Floor	---		Not to be used
3rd Floor	---		Not to be used.

REVISED BY C O 8-6-50

*E. M. White*

This certificate is issued to **JAMES ALLEGRA,** owner of the aforesaid building, address **198 FIRST AVE., N.Y. CITY.**

in accordance with the provisions of Section 5, Article 1, Chapter 5 of the Code of Ordinances of the City of New York, and Chapter 503, Section 411-a of the Greater New York Charter.

DATED **March 10, 1921.**

\_\_\_\_\_  
 Superintendent of Buildings



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The superimposed, uniformly distributed loads, or their equivalent concentrated loads in any story shall not exceed the live loads specified above; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

Unless specifically stated above, the building or any part thereof, if certified as a public building, shall not be used as a building in which persons are harbored to receive medical, charitable or other care or treatment, such as a hospital, asylum, etc., or in which persons are held or detained under legal restraint, such as a police station, jail, etc.; nor shall it be used as a motion picture theatre as defined in section 30, chapter 3, Code of Ordinances; nor as a theatre or opera house or other building intended to be used for theatrical or operatic purposes, or for public entertainment of any kind, for the accommodation of more than 300 persons.

Unless specifically stated above, the building or any part thereof, if certified as a residence building, shall not be used as a tenement house as defined in the tenement house law; nor shall it be used as any form of residence building having more than 15 sleeping rooms; nor shall it be used as a lodging house within the meaning of Sec. 1305 of the Greater New York Charter.

Unless specifically stated above, the building or any part thereof, if certified as a business building, shall not be used as a garage, motor vehicle repair shop or oil selling station as defined in section 1, chapter 10, Code of Ordinances; nor shall it be used for the generation or compression of acetylene; nor as a factory building as defined in the labor law; nor as a grain elevator; nor as a coal pocket; but if approved as a factory building for less than twenty-five persons, it shall not be used for any other purpose.

Except as otherwise noted above, the building, or any part thereof, if located elsewhere than in an unrestricted district, shall not be used for any of the purposes enumerated in paragraph (a) of section 4 of the building zone resolution; nor for any trade, industry or use that is noxious or offensive by reason of the emission of odor, dust, smoke, gas or noise; nor for any kind of manufacturing not already prohibited, except that, if located in a business district, not more than twenty-five per cent. of the total floor space may be so used, or space equal to the area of the lot in any case.

Except as otherwise noted above, the building, if certified as a garage, may not be used for more than five cars on any portion of a street between two intersecting streets, in which portion there exists an exit from or an entrance to a public school, or in which portion there exists any hospital maintained as a charitable institution; and in no case within a distance of 200 feet from the nearest exit from or entrance to a public school; nor within two hundred feet of any hospital maintained as a charitable institution.

If the building has, at any time previous to the issuance of this certificate, been the subject of an appeal to the board of appeals or of a petition to the board of standards and appeals resulting in modification or variation of law or any lawful requirement, the construction and arrangement of the building as specified in the resolution granting such modification or variation, must be maintained, and all conditions imposed by either board must be observed.

No change or re-arrangement in the structural parts of the building, or affecting the lighting or ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located, until an approval of the same has been obtained from the superintendent of buildings.

This certificate supersedes each and every previously issued certificate of occupancy for this building or any part thereof, and each and every such previously issued certificate shall be null and void; and this certificate in turn becomes null and void upon the issuance of any new lawful certificate.

This certificate does not in any way relieve the owner or owners, or any other person or persons in possession or control of the building, or any part thereof, from obtaining such other permits or licenses as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

This certificate does not authorize the use or operation of any elevator in the building without the special certificate required by section 563 of the building code.

If the building is or is required to be equipped with standpipes or other fire extinguishing appliances, this certificate is not complete until such standpipes or other appliances have been inspected by the fire department and approved in writing, either in a separate certificate or by endorsement upon this certificate. (Space for such endorsement is provided on page 4 of this certificate.)

If this certificate is marked "Temporary," it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to a tenement house unless also approved by the tenement house commissioner; and it must be replaced by a full certificate as soon as the entire building is completed according to law and ready for occupancy.

The word "class" as used in this certificate refers to the classification of buildings in the building code (section 70).

This certificate is issued in accordance with the provisions of section 411-a. of the Greater New York Charter and of section 5 of chapter 5 (Building Code) of the Code of Ordinances of the City of New York.

Examined.  
C.O.

Superintendent of Buildings, Borough of Manhattan.

Additional copies of this certificate will be issued, upon written request, to persons having a proprietary interest in the building.

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BUREAU OF BUILDINGS  
BOROUGH OF MANHATTAN, CITY OF NEW YORK

CERTIFICATE OF OCCUPANCY No. 2000 1921

THIS CERTIFIES that the building located on Block 708 Lot 22-23  
known as 517-19 West 36 Street,  
60' front,  
conforms substantially to the approved plans and specifications of Alt. Application No. 779 19 20  
and to all the requirements of the BUILDING CODE AND BUILDING ZONE RESOLUTION of the City of New York  
for a non-fireproof, cellar, 1 and 3 story Garage.

and that the several floors may sustain the live loads, accommodate the number of persons, and be occupied as follows:

FLOORS	Live Load per Square Foot in POUNDS	Number and Classification Persons on each Floor	OCCUPANCY
Cellar	---		Boiler Room
1st Floor	----	---	Garage
2nd Floor	---		Not to be used
3rd Floor	---		Not to be used.

RESEDED BY C O 8650

NOTED  
...  
...  
...  
...

*James Allegre*  
3/10/21

This certificate is issued to JAMES ALLEGRE,  
owner of the aforesaid building, address 198 First Ave., N.Y. City.

in accordance with the provisions of Section 5, Article 1, Chapter 5 of the Code of Ordinances of the City of New York, and Chapter 503, Section 411-a of the Greater New York Charter.

DATED March 10, 1921.

James Allegre  
Superintendent of Buildings



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The superimposed, uniformly distributed loads, or their equivalent concentrated loads in any story shall not exceed the live loads specified above; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

Unless specifically stated above, the building or any part thereof, if certified as a public building, shall not be used as a building in which persons are harbored to receive medical, charitable or other care or treatment, such as a hospital, asylum, etc., or in which persons are held or detained under legal restraint, such as a police station, jail, etc.; nor shall it be used as a motion picture theatre as defined in section 30, chapter 3, Code of Ordinances; nor as a theatre or opera house or other building intended to be used for theatrical or operatic purposes, or for public entertainment of any kind, for the accommodation of more than 300 persons.

Unless specifically stated above, the building or any part thereof, if certified as a residence building, shall not be used as a tenement house as defined in the tenement house law; nor shall it be used as any form of residence building having more than 15 sleeping rooms; nor shall it be used as a lodging house within the meaning of Sec. 1305 of the Greater New York Charter.

Unless specifically stated above, the building or any part thereof, if certified as a business building, shall not be used as a garage, motor vehicle repair shop or oil selling station as defined in section 1, chapter 10, Code of Ordinances; nor shall it be used for the generation or compression of acetylene; nor as a factory building as defined in the labor law; nor as a grain elevator; nor as a coal pocket; but if approved as a factory building for less than twenty-five persons, it shall not be used for any other purpose.

Except as otherwise noted above, the building, or any part thereof, if located elsewhere than in an unrestricted district, shall not be used for any of the purposes enumerated in paragraph (a) of section 4 of the building zone resolution; nor for any trade, industry or use that is noxious or offensive by reason of the emission of odor, dust, smoke, gas or noise; nor for any kind of manufacturing not already prohibited, except that, if located in a business district, not more than twenty-five per cent. of the total floor space may be so used, or space equal to the area of the lot in any case.

Except as otherwise noted above, the building, if certified as a garage, may not be used for more than five cars on any portion of a street between two intersecting streets, in which portion there exists an exit from or an entrance to a public school, or in which portion there exists any hospital maintained as a charitable institution; and in no case within a distance of 200 feet from the nearest exit from or entrance to a public school; nor within two hundred feet of any hospital maintained as a charitable institution.

If the building has, at any time previous to the issuance of this certificate, been the subject of an appeal to the board of appeals or of a petition to the board of standards and appeals resulting in modification or revocation of law or any lawful requirement, the construction and arrangement of the building as specified in the resolution granting such modification or variation, must be maintained, and all conditions imposed by either board must be observed.

No change or re-arrangement in the structural parts of the building, or affecting the lighting or ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located, until an approval of the same has been obtained from the superintendent of buildings.

This certificate supersedes each and every previously issued certificate of occupancy for this building or any part thereof, and each and every such previously issued certificate shall be null and void; and this certificate in turn becomes null and void upon the issuance of any new lawful certificate.

This certificate does not in any way relieve the owner or owners, or any other person or persons in possession or control of the building, or any part thereof, from obtaining such other permits or licenses as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

This certificate does not authorize the use or operation of any elevator in the building without the special certificate required by section 563 of the building code.

If the building is or is required to be equipped with standpipes or other fire extinguishing appliances, this certificate is not complete until such standpipes or other appliances have been inspected by the fire department and approved in writing, either in a separate certificate or by endorsement upon this certificate. (Space for such endorsement is provided on page 4 of this certificate.)

If this certificate is marked "Temporary," it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to a tenement house unless also approved by the tenement house commissioner; and it must be replaced by a full certificate as soon as the entire building is completed according to law and ready for occupancy.

The word "class" as used in this certificate refers to the classification of buildings in the building code (section 70).

This certificate is issued in accordance with the provisions of section 411-a of the Greater New York Charter and of section 5 of chapter 5 (Building Code) of the Code of Ordinances of the City of New York.

Examined,

C.B.

Superintendent of Buildings, Borough of Manhattan.

Additional copies of this certificate will be issued, upon written request, to persons having a proprietary interest in the building.

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**DEPARTMENT OF BUILDINGS  
CERTIFICATE OF OCCUPANCY**

TEMPORARY

BOROUGH MANHATTAN

DATE **JUL 16 1996** NO. **109751**

This certificate supersedes C.O. NO

ZONING DISTRICT M1-5

THIS CERTIFIES that ~~the~~ ~~new~~ ~~altered~~ ~~existing~~ building premises located at  
517 WEST 36TH STREET

Block 708 Lot

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

**PERMISSIBLE USE AND OCCUPANCY**

FLOOR	LIVE LOAD (KS PER SQ FT)	MARRIAGE NO OR PERSONS PERMITTED	ZONING DISTRICTS OR ROOMING UNITS	BUILDING CODE HAZARDOUS ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1ST FLOOR	100	8			8&6	C	GARAGE (MORE THAN 5 AUTOS), STORE, OFFICE
2ND FLOOR	100	15			6	C	OFFICE
3RD (MEZZ)	100	2			6	C	*OFFICE IN CONJUNCTION WITH 2ND FLOOR

TEMPORARY CERTIFICATE OF OCCUPANCY

TERMS: NINETY (90) DAYS

EXPIRES: OCTOBER 15, 1996

\*BATHUB IN 2ND FLOOR EXECUTIVE BATHROOM TO BE REMOVED WHEN OFFICE SPACE IS VACATED OR ALTERED FOR DIFFERENT USE.

THIS CERTIFICATE OF OCCUPANCY MUST BE POSTED WITHIN THE BUILDING IN CONFORMANCE WITH THE RULES OF THE DEPARTMENT PROMULGATED MARCH 31ST, 1967.

OPEN SPACE USES \_\_\_\_\_  
(SPECIFY - PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

M.C.G.

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS

A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Romy A. Aron*  
BOROUGH SUPERINTENDENT

*Paul M. ...*  
COMMISSIONER

ORIGINAL  OFFICE COPY - DEPARTMENT OF BUILDINGS  COPY

2000 JUL

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS.

BEGINNING at a point on the **NORTHWEST** side of **36 STREET**  
 distant **250** **WEST** feet from the corner formed by the intersection of  
 and **10TH AVENUE**  
 running thence ..... feet; thence ..... feet;  
 thence **NORTH 98.7** ..... feet; thence **WEST 50** ..... feet;  
 thence **SOUTH 98.7** ..... feet; thence **EAST 50** ..... feet;  
 thence ..... feet; thence ..... feet;  
 to the point or place of beginning.

INDEX ALT. No. **100697934** DATE OF COMPLETION ..... CONSTRUCTION CLASSIFICATION **CLASS 5 METAL**  
 BUILDING OCCUPANCY GROUP CLASSIFICATION **E** HEIGHT **3** STORIES, FEET STRUCTURE **30'-10"**

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM			AUTOMATIC SPRINKLER SYSTEM		
YARD HYDRANT SYSTEM					
STANDPIPE FIRE TELEPHONE AND SIGNALING SYSTEM					
SMOKE DETECTOR					
FIRE ALARM AND SIGNAL SYSTEM					

STORM DRAINAGE DISCHARGES INTO:  
 A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM   
 SANITARY DRAINAGE DISCHARGES INTO:  
 A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:  
 BOARD OF STANDARDS AND APPEALS CAL. NO. \_\_\_\_\_  
 CITY PLANNING COMMISSION CAL. NO. \_\_\_\_\_  
 OTHERS: \_\_\_\_\_

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THE CITY OF NEW YORK

ALT 100697934



DEPARTMENT OF BUILDINGS

CERTIFICATE OF OCCUPANCY

BOROUGH MANHATTAN

DATE:

NO.

109915

This certificate supersedes C.O. NO

THIS CERTIFIES that the ~~XXXX~~ altered ~~XXXXXX~~ building—premises located at 517 WEST 36TH STREET

ZONING DISTRICT M1-5

Block 708 Lot

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

PERMISSIBLE USE AND OCCUPANCY

STORY	FYE (MAX LBS PER SQ FT)	MAXIMUM NO OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1ST FLOOR	100	8			8&6	C	GARAGE (MORE THAN 5 AUTOS), STORE, OFFICE
2ND FLOOR	100	15			6	C	OFFICE
3RD (MEZZ)	100	2			6	C	*OFFICE IN CONJUNCTION WITH 2ND FLOOR

\*BATHTUB IN 2ND FLOOR EXECUTIVE BATHROOM TO BE REMOVED WHEN OFFICE SPACE IS VACATED OR ALTERED FOR DIFFERENT USE.

THIS CERTIFICATE OF OCCUPANCY MUST BE POSTED WITHIN THE BUILDING IN ACCORDANCE WITH THE RULES OF THE DEPARTMENT PROMULGATED MARCH 31ST, 1967.

OPEN SPACE USES \_\_\_\_\_ (SPECIFY—PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

M.C.G. NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

Romy A. Aron, P.E. BOROUGH SUPERINTENDENT

[Signature] COMMISSIONER

ORIGINAL  OFFICE COPY - DEPARTMENT OF BUILDINGS  COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING at a point on the **NORTHWEST** side of **36TH STREET**  
distant **250** **WEST** feet from the corner formed by the intersection of  
**36TH STREET** and **10TH AVENUE**  
running thence ..... feet; thence ..... feet;  
thence **NORTH 98.7** feet; thence **WEST 50** feet;  
thence **SOUTH 98.7** feet; thence **EAST 50** feet;  
thence ..... feet; thence ..... feet;  
to the point or place of beginning.

**100697934**  
**XXXXX** ALT. No.      DATE OF COMPLETION **7/9/96**      CONSTRUCTION CLASSIFICATION **CLASS 5 METAL**  
BUILDING OCCUPANCY GROUP CLASSIFICATION      HEIGHT      STORIES,      FEET      STRUCTURE  
**E**      **3,**      **30'-10"**

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM			AUTOMATIC SPRINKLER SYSTEM		
YARD HYDRANT SYSTEM					
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM					
SMOKE DETECTOR					
FIRE ALARM AND SIGNAL SYSTEM					

- STORM DRAINAGE DISCHARGES INTO:
- A) STORM SEWER       B) COMBINED SEWER       C) PRIVATE SEWAGE DISPOSAL SYSTEM
- SANITARY DRAINAGE DISCHARGES INTO:
- A) SANITARY SEWER       B) COMBINED SEWER       C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO. \_\_\_\_\_  
CITY PLANNING COMMISSION CAL. NO. \_\_\_\_\_  
OTHERS: \_\_\_\_\_

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NYC Department of Buildings

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# CERTIFICATE OF OCCUPANCY

Job Number ALT 102065355

Borough: MANHATTAN Date: NOVEMBER 6, 2003 No: 102065355-T

This certificate superceded C.O. No 109915 ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at 517 WEST 36TH STREET

Block: 708 Lot: 22

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1ST FLOOR	100	8			648	C	GARAGE (MORE THAN 5 AUTOS), STORE, OFFICE
2ND FLOOR	50	32			649A	E	OFFICES, AND OFFICES IN CONJUNCTION WITH THIRD FLOOR
3RD FLOOR	50	29			9A	E	DANCE STUDIO
							TEMPORARY CERTIFICATE OF OCCUPANCY
							TERMS: NINETY (90) DAYS
							EXPIRES: JANUARY 6, 2004
							HYDROTHERAPY TUBS ON SECOND AND THIRD FLOORS AND SHOWER STALL ON THIRD FLOOR SHALL BE REMOVED WHEN DANCE STUDIO IS VACATED OR ALTERED FOR DIFFERENT USE.

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

#### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONR)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*[Signature]*  
Borough Commissioner  
*[Signature]*  
Commissioner

ORIGINAL  OFFICE COPY - DEPARTMENT OF BUILDINGS  COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 36TH STREET
-----------------------------	-------	---------	------------------

distant 2.50 WEST feet from the corner formed by the intersection of WEST 36TH STREET and TENTH AVENUE

running thence	<u>WEST 500</u>	feet; thence	<u>NORTH 980.75</u>	feet;
thence	<u>EAST 500</u>	feet; thence	<u>SOUTH 980.75</u>	feet;
thence		feet; thence		feet;
thence		feet; thence		feet;
thence		feet; thence		feet;

To the point or place of beginning

N.H. or Alt. No ALT 102065355

N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification 2-B

Building occupancy group classification C Height Stories 3 Feet 36

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# Certificate of Occupancy

**CO Number: 102065355T002**

This certifies that the premises described herein conforms substantially to the approved plans and specifications and to the requirements of all applicable laws, rules and regulations for the uses and occupancies specified. No change of use or occupancy shall be made unless a new Certificate of Occupancy is issued. *This document or a copy shall be available for inspection at the building at all reasonable times.*

<b>A.</b>	<b>Borough:</b> Manhattan	<b>Block Number:</b> 00708	<b>Certificate Type:</b> Temporary
	<b>Address:</b> 517 WEST 36 STREET	<b>Lot Number(s):</b> 22	<b>Effective Date:</b> 01/05/2006
	<b>Building Identification Number (BIN):</b> 1012492	<b>Building Type:</b> Altered	<b>Expiration Date:</b> 04/05/2006
	<b>Special District:</b> None		

**This Certificate supercedes CO Number(s):** 102065355T001

*For zoning lot metes & bounds, please see BISWeb.*

<b>B.</b>	<b>Construction classification:</b> COMB: 2-B	<b>Number of stories:</b> 3
	<b>Building Occupancy Group classification:</b> C	<b>Height in feet:</b> 36
	<b>Multiple Dwelling Law Classification:</b> None	<b>Number of dwelling units:</b> 0

**C. Fire Protection Equipment:**  
None associated with this filing.

**D. Type and number of open spaces:**  
None associated with this filing.

**E. This Certificate is issued with the following legal limitations:**  
None

**Outstanding requirements for obtaining Final Certificate of Occupancy:**

There are 2 outstanding requirements. Please refer to BISWeb for further detail.

**Borough Comments:** None

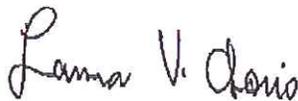
Borough Commissioner

Commissioner

# Certificate of Occupancy

CO Number: 102065355T002

Permissible Use and Occupancy							
Floor From To	Maximum persons permitted	Live load lbs per sq. ft.	Building Code habitable rooms	Building Code occupancy group	Zoning dwelling or rooming units	Zoning use group	Description of use
001	8	100		C		6 8	GARAGE (MORE THAN FIVE AUTOS), STORE, OFFICE
002	32	50		E J-2		6 9A	OFFICES AND OFFICES IN CONJUNCTION WITH 3RD FLOOR
003	29	50		E		9A	DANCE STUDIO
							NOTE: HYDROTHERAPY TUBS ON 2ND AND 3RD FLOORS AND SHOWER STALL ON THIRD FLOOR SHALL BE REMOVED WHEN DANCE STUDIO IS VACATED OR ALTERED FOR DIFFERENT USE.
END OF SECTION							



Borough Commissioner



Commissioner

END OF DOCUMENT

102065355/002 1/5/2006 1:24:33 PM



# CERTIFICATE OF OCCUPANCY

Job Number ALT 102065355

Borough: MANHATTAN Date: NOVEMBER 6, 2003 No: 102065355-T

This certificate superceded C.O. No 109915 ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
517 WEST 36TH STREET

Block: 708 Lot: 22

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1ST FLOOR <input type="checkbox"/>	100 <input type="checkbox"/>	8 <input type="checkbox"/>			668 <input type="checkbox"/>	C <input type="checkbox"/>	GARAGE (MORE THAN 5 <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	AUTOS), STORE, OFFICE <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2ND FLOOR <input type="checkbox"/>	50 <input type="checkbox"/>	32 <input type="checkbox"/>			669A <input type="checkbox"/>	E <input type="checkbox"/>	OFFICES, AND OFFICES IN <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	CONJUNCTION WITH THIRD <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	FLOOR <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3RD FLOOR	50 <input type="checkbox"/>	29			9A	E	DANCE STUDIO <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>						TEMPORARY CERTIFICATE OF <input type="checkbox"/>
							OCCUPANCY <input type="checkbox"/>
							<input type="checkbox"/>
							TERMS: NINETY (90) DAYS <input type="checkbox"/>
							<input type="checkbox"/>
							EXPIRES: JANUARY 6, 2004 <input type="checkbox"/>
							<input type="checkbox"/>
							HYDROTHERAPY TUBS ON <input type="checkbox"/>
							SECOND AND THIRD FLOORS <input type="checkbox"/>
							AND SHOWER STALL ON THIRD <input type="checkbox"/>
							FLOOR SHALL BE REMOVED <input type="checkbox"/>
							WHEN DANCE STUDIO IS <input type="checkbox"/>
							VACATED OR ALTERED FOR <input type="checkbox"/>
							DIFFERENT USE.

**OPEN SPACE USES**

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Lama V. Dorio*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 36TH STREET
-----------------------------	-------	---------	------------------

distant 2.50 WEST feet from the corner formed by the intersection of WEST 36TH STREET and TENTH AVENUE

running thence WEST 500 feet; thence NORTH 980.75 feet;  
 thence EAST 500 feet; thence SOUTH 980.75 feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
 To the point or place of beginning

N.B. or Alt. No ALT 102065355  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification 2-B

Building occupancy group classification C Height \_\_\_\_\_ Stories 3 Feet 36

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT 102065355

Borough: MANHATTAN

Date: NOVEMBER 6, 2003

No: 102065355-T

This certificate superceded C.O. No 109915

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
517 WEST 36TH STREET

Block: 708

Lot: 22

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED  
THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS  
NOTED ON THE REVERSE SIDE.

*Lama V. Dorio*

Borough Commissioner

*[Signature]*

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 36TH STREET
-----------------------------	-------	---------	------------------

distant 2.50 WEST \_\_\_\_\_ feet from the corner formed by the intersection of  
WEST 36TH STREET and TENTH AVENUE

running thence	<u>WEST 500</u>	feet; thence	<u>NORTH 980.75</u>	feet;
thence	<u>EAST 500</u>	Feet; thence	<u>SOUTH 980.75</u>	feet;
thence	_____	Feet; thence	_____	feet;
thence	_____	feet; thence	_____	feet;
thence	_____	feet; thence	_____	feet;

To the point or place of beginning

N.B. or Alt. No ALT 102065355  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification 2-B

Building occupancy group classification C Height \_\_\_\_\_ Stories 3 Feet 36

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT 102065355

Borough: MANHATTAN

Date: NOVEMBER 6, 2003

No: 102065355-T

This certificate superceded C.O. No 109915

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
517 WEST 36TH STREET

Block: 708

Lot: 22

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED  
THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS  
NOTED ON THE REVERSE SIDE.

*Lama V. Denis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 36TH STREET
-----------------------------	-------	---------	------------------

distant 2.50 WEST \_\_\_\_\_ feet from the corner formed by the intersection of  
WEST 36TH STREET and TENTH AVENUE

running thence	<u>WEST 500</u>	feet; thence	<u>NORTH 980.75</u>	feet;
thence	<u>EAST 500</u>	Feet; thence	<u>SOUTH 980.75</u>	feet;
thence	_____	Feet; thence	_____	feet;
thence	_____	feet; thence	_____	feet;
thence	_____	feet; thence	_____	feet;

To the point or place of beginning

N.B. or Alt. No ALT 102065355  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification 2-B

Building occupancy group classification C Height \_\_\_\_\_ Stories 3 Feet 36

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT 102065355

Borough: MANHATTAN Date: NOVEMBER 6, 2003 No: 102065355-T

This certificate superceded C.O. No. 109915 ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
517 WEST 36TH STREET

Block: 708 Lot: 22

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

OPEN SPACE USES \_\_\_\_\_  
(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED  
THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS  
NOTED ON THE REVERSE SIDE.

Lama V. Anis Borough Commissioner  
[Signature] Commissioner

ORIGINAL     OFFICE COPY - DEPARTMENT OF BUILDINGS     COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 36TH STREET
-----------------------------	-------	---------	------------------

distant 2.50 WEST \_\_\_\_\_ feet from the corner formed by the intersection of  
WEST 36TH STREET and TENTH AVENUE

running thence	<u>WEST 500</u>	feet; thence	<u>NORTH 980.75</u>	feet;
thence	<u>EAST 500</u>	Feet; thence	<u>SOUTH 980.75</u>	feet;
thence	_____	Feet; thence	_____	feet;
thence	_____	feet; thence	_____	feet;
thence	_____	feet; thence	_____	feet;

To the point or place of beginning

N.B. or Alt. No ALT 102065355  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification 2-B

Building occupancy group classification C Height \_\_\_\_\_ Stories 3 Feet 36

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

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- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT 102065355

Borough: MANHATTAN

Date: NOVEMBER 6, 2003

No: 102065355-T

This certificate superceded C.O. No 109915

ZONING DISTRICT M1-5

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Block: 708

Lot: 22

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

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THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Lama V. Anio*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 36TH STREET
-----------------------------	-------	---------	------------------

distant 2.50 WEST \_\_\_\_\_ feet from the corner formed by the intersection of  
WEST 36TH STREET and TENTH AVENUE

running thence WEST 500 \_\_\_\_\_ feet; thence NORTH 980.75 \_\_\_\_\_ feet;  
 thence EAST 500 \_\_\_\_\_ feet; thence SOUTH 980.75 \_\_\_\_\_ feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
 To the point or place of beginning

N.B. or Alt. No ALT 102065355  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification 2-B

Building occupancy group classification C Height \_\_\_\_\_ Stories 3 Feet 36

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

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LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:

[BIS Menu](#) | [Bldg Info Search](#) | [Property Profile](#) | [Actions](#) | [Back](#)

[FAQs](#) | [Glossary](#) Jun 7, 2012



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**C of O PDF Listing : 102065355T(01/05/06)**

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[M102065355.PDF](#)

[102065355T002.PDF](#)

[102065355-T.PDF](#)

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NYC Department of Buildings

**DOB Violation Display for 101200CMTF01RNS**

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

Issue Date: 10/12/2000

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: C - CONSTRUCTION

Violation Number: MTF01RNS

Device No.:

ECB No.:

Infraction Codes:

Description:

Disposition:

Code: Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 101200CMTF02RNS**

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

Issue Date: 10/12/2000

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: C - CONSTRUCTION

Violation Number: MTF02RNS

Device No.:

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 012901CMTF02RNS**

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

Issue Date: 01/29/2001

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: C - CONSTRUCTION

Violation Number: MTF02RNS

Device No.:

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display for 111408E9444/280922**

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

Issue Date: 11/14/2008

Violation Category: V - DOB VIOLATION - ACTIVE

Violation Type: E - ELEVATOR

Violation Number: 9444/280922

Device No.: [001F2694](#)

ECB No.:

Infraction Codes:

Description:

Disposition:

Code:

Date:

Inspector:

Comments:

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NYC Department of Buildings

**DOB Violation Display**

Premises: 517 WEST 36 STREET MANHATTAN

BIN: [1012492](#) Block: 708 Lot: 22

Issue Date: 10/20/2009

Violation Category:

Violation Type: CN - CONSTRUCTION

Violation Number: 102009C04WW02

Device No.: 1012492

ECB No.: [34808571R](#) (refer to for further details)

Description:

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NYC Department of Buildings

**DOB Violation Display**

**Premises:** 517 WEST 36 STREET MANHATTAN

**BIN:** [1012492](#) **Block:** 708 **Lot:** 22

**Issue Date:** 10/20/2009

**Violation Category:**

**Violation Type:** CN - CONSTRUCTION

**Violation Number:** 102009C04WW01

**Device No.:** 1012492

**ECB No.:** [34808570P](#) (refer to for further details)

**Description:**

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NYC Department of Buildings  
**Property Profile Overview**

521 WEST 36 STREET  
 WEST 36 STREET 521 - 525

MANHATTAN 10018

BIN# 1012491

Census Tract : 99  
 Community Board : 104  
 Buildings on Lot : 1

Tax Block : 708  
 Tax Lot : 20  
 Condo : NO  
 Vacant : NO

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#)

[View Challenge Results](#)

[View Certificates of Occupancy](#)

Cross Street(s): 10 AVENUE, AMTRAK-NORTHEAST LINE  
 DOB Special Place Name:  
 DOB Building Remarks:  
 Landmark Status: **Special Status:** N/A  
 Local Law: NO **Loft Law:** NO  
 SRO Restricted: NO **TA Restricted:** NO  
 UB Restricted: NO  
 Little 'E' Restricted: HAZMAT/NOISE **Grandfathered Sign:** NO  
 Legal Adult Use: NO **City Owned:** NO  
 Additional BINs for Building: NONE

Special District: HY - HUDSON YARDS

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: L9-LOFT BUILDINGS

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	
<a href="#">Complaints</a>	7	0	<a href="#">Elevator Records</a>
<a href="#">Violations-DOB</a>	2	0	<a href="#">Electrical Applications</a>
<a href="#">Violations-ECB (DOB)</a>	4	0	<a href="#">Permits In-Process / Issued</a>
<a href="#">Jobs/Filings</a>	7		<a href="#">Illuminated Signs Annual Permits</a>
<a href="#">ARA / LAA Jobs</a>	1		<a href="#">Plumbing Inspections</a>
Total Jobs	8		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Actions</a>	52		<a href="#">Facades</a>
			<a href="#">Marquee Annual Permits</a>
			<a href="#">Boiler Records</a>
			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

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NYC Department of Buildings

**Complaints By Address**

Click [here](#) for information on how to remove a Stop Work Order from your property

Page: 1 of 1

7 Total Complaints

[View SWO Complaints](#) BIN: [1012491](#)

Looking for a list of complaint [category codes](#) or [disposition codes](#)?  
(Adobe Acrobat Reader required)

Complaint Number	Address	Date Entered	Category	Inspection Date	Disposition	Status
<a href="#">1314916</a>	525 WEST 36 STREET	12/20/2011	45	05/12/2012	C2	CLS
<a href="#">1295501</a>	525 WEST 36 STREET	01/05/2011	45	02/07/2011	I2	RES
<a href="#">1282782</a>	525 WEST 36 STREET	06/01/2010	59	05/25/2010	A1	RES
<a href="#">1102263</a>	521 WEST 36 STREET	11/14/2002	05	12/11/2002	A9	RES
<a href="#">1098882</a>	521 WEST 36 STREET	07/17/2002	73	07/17/2002	I2	RES
<a href="#">1098246</a>	521 WEST 36 STREET	06/26/2002	05	04/20/2010	L2	RES
<a href="#">1077906</a>	521 WEST 36 STREET	07/24/2000	37	08/14/2000	C2	CLS

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NYC Department of Buildings

**DOB Violations**

Page: 1

Premises: 521 WEST 36 STREET MANHATTAN

BIN: [1012491](#) Block: 708 Lot: 20

NUMBER	TYPE	FILE DATE
V* 3225-55	DOB VIOLATION - DISMISSED	00/00/0000
V* 0814029011/260326	DOB VIOLATION - DISMISSED	08/14/2002

Select Violation Type:

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.



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NYC Department of Buildings  
ECB Query By Location

Page: 1 of 1

Premises: 521 WEST 36 STREET MANHATTAN

BIN: [1012491](#) Block: 708 Lot: 20 CB: 104

Dept. of Buildings Violations & Compliance	
Total Issued = 4	Open (Non-Compliance) = 0

ECB Hearings	
Completed / Defaulted = 4	Pending = 0

ECB Number	Dept. of Buildings Violation Status	Respondent	ECB Hearing Status	Viol Date	Infraction Codes	ECB Penalty Due
<a href="#">34331051H</a>	RESOLVED - N/A - DISMISSED <b>Severity:</b> NON-HAZARDOUS	QUARDUILLE REALTY INC	DISMISSED	07/05/2002	<a href="#">B04</a>	\$0.00
					<b>Viol Type:</b> CONSTRUCTION	
<a href="#">34372468Y</a>	RESOLVED - N/A - DISMISSED <b>Severity:</b> NON-HAZARDOUS	QUADVILLE REALTY INC <b>Inspect Unit:</b> MANHATTAN CONSTRUCTION	DISMISSED	12/11/2002	<a href="#">B04</a>	\$0.00
					<b>Viol Type:</b> CONSTRUCTION	
<a href="#">34401498P</a>	RESOLVED - CERTIFICATE ACCEPTED <b>Severity:</b> NON-HAZARDOUS	YASSKY PROPERTIES <b>Inspect Unit:</b> IAD	IN VIOLATION	02/24/2004	<a href="#">BQ2</a>	-\$391.36
					<b>Viol Type:</b> QUALITY OF LIFE	
<a href="#">34401497N</a>	RESOLVED - CERTIFICATE ACCEPTED <b>Severity:</b> NON-HAZARDOUS	YASSKY PROPETIES <b>Inspect Unit:</b> IAD	IN VIOLATION	02/24/2004	<a href="#">BQ3</a>	\$0.00
					<b>Viol Type:</b> QUALITY OF LIFE	

**Compliance Status** (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

**ECB Hearing Status** and the **ECB Penalty Due** are separate from **Compliance Status** (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

<b>Severity Class</b>	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

<p><b>Violation Status Descriptions</b></p> <p>OPEN - No Compliance Recorded</p> <p>OPEN - Certificate Pending (Certificate of Correction submitted and under review)</p> <p>OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)</p> <p>RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)</p> <p>RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)</p> <p>RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)</p> <p>RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)</p>	<p><b>ECB Hearing Status</b></p> <p>CURED/IN-VIO - In Violation/no hearing required</p> <p>STIPULATION/IN-VIO - No hearing required/in violation</p> <p>IN VIOLATION - Hearing decision completed</p> <p>DISMISSED - Hearing decision completed</p> <p>DEFAULT - Respondent failed to appear at hearing</p> <p>PUBLICLY-OWNED - No hearing required</p> <p>PENDING - Awaiting ECB hearing or decision</p> <p>ADMIT/IN-VIO - In Violation/no hearing required</p> <p>WRITTEN OFF - Imposed penalty legally uncollectable</p>
---	---

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NYC Department of Buildings  
Job Overview

Page: 1 of 1

Premises: 521 WEST 36 STREET MANHATTAN

BIN: [1012491](#) Block: 708 Lot: 20

To start overview at new date, select Month:

Day:

Year:

Show All BIS Job Types

Show All Filings

APPLY

FILE DATE	JOB #	DOC #	JOB TYPE	JOB STATUS	STATUS DATE	LIC #	APPLICANT	IN AUDIT	ZONING APPROVAL
	<a href="#">103636059</a>	02	A1	A PRE-FILED	08/11/2005				NOT APPLICABLE
		DOC WITHDRAWN 08162005							
10/22/1997	<a href="#">101626929</a>	01	A1	J P/E DISAPPROVED	05/08/1998	0064508 PE	KHOURY		NOT APPLICABLE
		JOB WITHDRAWN 11242003 RENOVATE EXISTING DWELLINGS AND OFFICE S SPACES. IN Work on Floor(s): CEL 001 thru 004							
04/20/1998	<a href="#">101795318</a>	01	A2	X SIGNED OFF	04/12/2010	0064508 PE	Khoury		NOT APPLICABLE
		Install heat boilers and stoves in addition to gas meters and gs piping. Work on Floor(s): CEL 002 thru 004							
04/20/1998	<a href="#">101795327</a>	01	A2	X SIGNED OFF	04/12/2010	0064508 PE	KHOURY		NOT APPLICABLE
		INSTALL TWO HEAT BOILERS AND TWO STOVES, INCLUDES GAS PIPING.							
12/12/2003	<a href="#">103636059</a>	01	A1	X SIGNED OFF	03/03/2011	0064508 PE	Khoury		NOT APPLICABLE
		Work on Floor(s): CEL 001 thru 005							
08/12/2005	<a href="#">103636059</a>	03	A1	P APPROVED	09/23/2005	0064508 PE	Khoury		NOT APPLICABLE
		DOC WITHDRAWN 07112006 Install one sink in retail sales store on first flo Work on Floor(s): 001							
08/20/2010	<a href="#">120449167</a>	01	A2	J P/E DISAPPROVED	01/18/2011	0064508 PE	KHOURY		NOT APPLICABLE
		JOB WITHDRAWN 02162011 HVAC INSTALLATION INCLUDING DUCTS AND ROOF TOP UNIT Work on Floor(s): 001,002,ROF							

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NYC Department of Buildings  
**Job Overview**  
**ARA / LAA Job Overview**

Page: 1 of 1

Premises: 521 WEST 36 STREET MANHATTAN

BIN: [1012491](#) Block: 708 Lot: 20

To start overview at new date, select Month:  Day:  Year:

FILE DATE	JOB #	JOB TYPE	JOB STATUS	STATUS DATE	LIC #	APPLICANT
10/07/2003	<a href="#">102302401</a>	PR	I LAA SIGNED OFF	12/29/2004	MP 008144	CASSATA
INSTALLING ONE MODINE, MEA# 293-96-E, MODEL# PD 125, RUNNING 70 FEET OF 1 Work on Floor(s): 001,ROF						

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NYC Department of Buildings  
**Actions**

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Premises: 521 WEST 36 STREET MANHATTAN

BIN: [1012491](#) Block: 708 Lot: 20

NUMBER	TYPE	FILE DATE
ALT 2001-17*	ALTERATION	00/00/1917
ALT 1275-20	ALTERATION	00/00/1920
ALT 551-23	ALTERATION	00/00/1923
ALT 644-27	ALTERATION	00/00/1927
ALT 1289-30	ALTERATION	00/00/1930
ALT 612-46	ALTERATION	00/00/1946
ALT 1069-81	ALTERATION	00/00/1981
BN 2626-28	BUILDING NOTICE	00/00/1928
BN 2479-48	BUILDING NOTICE	00/00/1948
BN 307-67	BUILDING NOTICE	00/00/1967

Next

Enter Action Type:

Or Select from List:

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NYC Department of Buildings

Actions

Page: 2

Premises: 521 WEST 36 STREET MANHATTAN

BIN: [1012491](#) Block: 708 Lot: 20

NUMBER		TYPE	FILE DATE
BN 3369-81		BUILDING NOTICE	00/00/1981
BN 3470-81		BUILDING NOTICE	00/00/1981
<a href="#">CO 6660</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 916</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 3776</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
COM 25578-45		COMPLAINTS	00/00/1945
COM 2180-57		COMPLAINTS	00/00/1957
COM 4372-61		COMPLAINTS	00/00/1961
COM 5787-63		COMPLAINTS	00/00/1963
DP 156-27		DEMOLITION PERMIT	00/00/1927

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Premises: 521 WEST 36 STREET MANHATTAN

BIN: [1012491](#) Block: 708 Lot: 20

NUMBER	TYPE	FILE DATE
FO 2820-46	OIL BURNER APPLICATION	00/00/1946
NB 606-83*	NEW BUILDING	00/00/1983
P 948-20	PLUMBING	00/00/1920
P 869-27	PLUMBING	00/00/1927
P 1894-28	PLUMBING	00/00/1928
P 1305-50	PLUMBING	00/00/1950
PER 1462-23G	PERMIT	00/00/1923
PER 1431-27G	PERMIT	00/00/1927
PER 2507-30G	PERMIT	00/00/1930
PER 1215-46MC	PERMIT	00/00/1946

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Premises: 521 WEST 36 STREET MANHATTAN

BIN: [1012491](#) Block: 708 Lot: 20

NUMBER	TYPE	FILE DATE
PER 521-47FE	PERMIT	00/00/1947
PRS 340-55	PLUMBING REPAIR SLIP	00/00/1955
PRS 209-57	PLUMBING REPAIR SLIP	00/00/1957
PRS 557-67	PLUMBING REPAIR SLIP	00/00/1967
SR 8243-13	SPECIAL REPORT	00/00/1913
SR 3651-27	SPECIAL REPORT	00/00/1927
SR 541-29	SPECIAL REPORT	00/00/1929
SR 4100-34	SPECIAL REPORT	00/00/1934
SR 831-40	SPECIAL REPORT	00/00/1940
SR 390-40	SPECIAL REPORT	00/00/1940

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Premises: 521 WEST 36 STREET MANHATTAN

BIN: [1012491](#) Block: 708 Lot: 20

NUMBER	TYPE	FILE DATE
SR 1228-45	SPECIAL REPORT	00/00/1945
SR 4295-46	SPECIAL REPORT	00/00/1946
SR 1596-47	SPECIAL REPORT	00/00/1947
SR 2452-50	SPECIAL REPORT	00/00/1950
UB* 116-02*		00/00/1902
UB* 527-02*		00/00/1902
UB* 977-02*		00/00/1902
UB* 753-17*		00/00/1917
UB* 426-23*		00/00/1923
UB* 192-46*		00/00/1946

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BIN: [1012491](#) Block: 708 Lot: 20

Premises: 521 WEST 36 STREET MANHATTAN

NUMBER	TYPE	FILE DATE
UB* 446-98*		00/00/1998
V* 3225-55	DOB VIOLATION - DISMISSED	00/00/0000
V* 0814029011/260326	DOB VIOLATION - DISMISSED	08/14/2002
XO 278-20*		00/00/1920
<a href="#">VEC* 070502CB4LS01</a>	ECB VIOLATION DISMISSED	07/05/2002
<a href="#">VEC* 121102CB4LS01</a>	ECB VIOLATION DISMISSED	12/11/2002
<a href="#">VEC* 022404C1ADEC02</a>	ECB VIOLATION DISMISSED	02/24/2004
<a href="#">VEC* 022404CIADEC01</a>	ECB VIOLATION DISMISSED	02/24/2004

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**BUREAU OF BUILDINGS**  
**BOROUGH OF MANHATTAN, CITY OF NEW YORK**  
**CERTIFICATE OF OCCUPANCY No. 192**

Supersedes Certificate of Occupancy No.

To the owner or owners of the building: New York August 22 19 23

THIS CERTIFIES that the building located on Block 702 Lot 21

known as 521 West 36 St 25' on front

under a permit, Application No. 551 Alt. of 19 23 conforms to the approved plans and specifications accompanying said permit and any approved amendments thereto, and to the requirements of the building code and all other laws and ordinances and to the rules and regulations of the board of standards and appeals, applicable to a building of its class and kind, except that in the case of a building heretofore existing and for which no previous certificate of occupancy has been issued and which has not been altered or converted since March 14, 1916, to a use that changed its classification as defined in the building code, this certificate confirms and continues the existing uses to which the building has been put; and

CERTIFIES FURTHER that the building is of **NONFIREPROOF** construction within the meaning of the building code and may be used and occupied as a **BUSINESS AND RESIDENCE** building as hereinafter qualified, in a **UNRESTRICTED** district under the building zone resolution, subject to all the privileges, requirements, limitations, and conditions prescribed by law or as hereinafter specified.

STORY	LIVE LOADS LBS. PER SQ. FT.	PERSONS ACCOMMODATED			Use
		MALE	FEMALE	TOTAL	
1st Story		6		6	Wagon Storage
2nd "		1	1	2	Office
3rd "		4	2	6	Dwelling
4th "		4	2	6	Dwelling

This certificate is issued to

**Frederick Moister**  
 534 West 85 St.  
 New York City

**Registered Engineer**  
 for the owner or owners.

The superimposed, uniformly distributed loads, or their equivalent concentrated loads in any story shall not exceed the live loads specified above; the number of persons of either sex in any story shall not exceed that specified when sex is indicated; nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specially stated.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

Unless specifically stated above, the building or any part thereof, if certified as a public building, shall not be used as a building in which persons are harbored to receive medical, charitable or other care or treatment, such as a hospital, asylum, etc., or in which persons are held or detained under legal restraint, such as a police station, jail, etc.; nor shall it be used as a motion picture theatre as defined in section 30, chapter 3, Code of Ordinances; nor as a theatre or opera house or other building intended to be used for theatrical or operatic purposes, or for public entertainment of any kind, for the accommodation of more than 300 persons.

Unless specifically stated above, the building or any part thereof, if certified as a residence building, shall not be used as a tenement house as defined in the tenement house law; nor shall it be used as any form of residence building having more than 15 sleeping rooms; nor shall it be used as a lodging house within the meaning of Sec. 1305 of the Greater New York Charter.

Unless specifically stated above, the building or any part thereof, if certified as a business building, shall not be used as a garage, motor vehicle repair shop or oil selling station as defined in section 1, chapter 10, Code of Ordinances; nor shall it be used for the generation or compression of acetylene; nor as a factory building as defined in the labor law; nor as a grain elevator; nor as a coal pocket; but, if approved as a factory building for less than twenty-five persons, it shall not be used for any other purpose.

Except as otherwise noted above, the building, or any part thereof, if located elsewhere than in an unrestricted district, shall not be used for any of the purposes enumerated in paragraph (a) of section 4 of the building zone resolution; nor for any trade, industry or use that is noxious or offensive by reason of the emission of odor, dust, smoke, gas or noise; nor for any kind of manufacturing not already prohibited, except that, if located in a business district, not more than twenty-five per cent. of the total floor space may be so used, or space equal to the area of the lot in any case.

Except as otherwise noted above, the building, if certified as a garage, may not be used for more than five cars on any portion of a street between two intersecting streets, in which portion there exists an exit from or an entrance to a public school, or in which portion there exists any hospital maintained as a charitable institution; and in no case within a distance of 200 feet from the nearest exit from or entrance to a public school; nor within two hundred feet of any hospital maintained as a charitable institution.

If the building has, at any time previous to the issuance of this certificate, been the subject of an appeal to the board of appeals or of a petition to the board of standards and appeals resulting in modification or variation of law or any lawful requirement, the construction and arrangement of the building as specified in the resolution granting such modification or variation, must be maintained, and all conditions imposed by either board must be observed.

No change or re-arrangement in the structural parts of the building, or affecting the lighting or ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located, until an approval of the same has been obtained from the superintendent of buildings.

This certificate supersedes each and every previously issued certificate of occupancy for this building or any part thereof, and each and every such previously issued certificate shall be null and void; and this certificate in turn becomes null and void upon the issuance of any new lawful certificate.

This certificate does not in any way relieve the owner or owners, or any other person or persons in possession or control of the building, or any part thereof, from obtaining such other permits or licenses as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

This certificate does not authorize the use or operation of any elevator in the building without the special certificate required by section 563 of the building code.

If the building is or is required to be equipped with standpipes or other fire extinguishing appliances, this certificate is not complete until such standpipes or other appliances have been inspected by the fire department and approved in writing, either in a separate certificate or by endorsement upon this certificate. (Space for such endorsement is provided on page 4 of this certificate.)

If this certificate is marked "Temporary," it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to a tenement house unless also approved by the tenement house commissioner; and it must be replaced by a full certificate as soon as the entire building is completed according to law and ready for occupancy.

The word "class" as used in this certificate refers to the classification of buildings in the building code (section 70).

This certificate is issued in accordance with the provisions of section 411-a of the Greater New York Charter and of section 5 of chapter 5 (Building Code) of the Code of Ordinances of the City of New York.

Examined,

.....  
Superintendent of Buildings, Borough of Manhattan.

Additional copies of this certificate will be issued, upon written request, to persons having a proprietary interest in the building. 2 2

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**BUREAU OF BUILDINGS**  
**BOROUGH OF MANHATTAN, CITY OF NEW YORK**

Ga **CERTIFICATE OF OCCUPANCY No. 916 191 8**

THIS CERTIFIES that the building located on Block 706 Lot 21 /  
 known as 523 West 36 Street,  
 23' front.

conforms substantially to the approved plans and specifications of Ait. Application No. 5001 1917  
 and to all the requirements of the BUILDING CODE AND BUILDING ZONE RESOLUTION of the City of New York  
 for a non-fireproof, 2 and 4 story, Repair Shop, Garage, Storage,  
 office & Dwelling.

and that the several floors may sustain the live loads, accommodate the number of persons, and be occupied as follows:

FLOORS	Live Load per Square Foot in POUNDS	Number of PERSONS	OCCUPANCY
1st floor	---	5	REPAIR SHOP, GARAGE for two cars.
2nd floor(rear)	40	2	STORAGE & OFFICE
2nd floor & floors above front			No change of occupancy.

IN ACCORDANCE WITH THE GREATER NEW YORK CHARTER,  
 SECTION 24-A PARAGRAPH 4  
 THIS CERTIFICATE IS ISSUED AS PROVIDED IN SUBDIVISIONS ONE AND TWO OF SECTION 24-A OF THE CHARTER ON THE CONDITION THAT THE OWNER SHALL COMPLY WITH ALL THE REQUIREMENTS OF THE BUILDING CODE AND BUILDING ZONE RESOLUTION OF THE CITY OF NEW YORK AND THE SEVERAL ORDINANCES AND RESOLUTIONS OF THE BOARD OF BUILDINGS AND THE BOARD OF FIRE ALARMS AND PATROLS IN CONNECTION WITH THE STORAGE OR USE OF FLAMMABLE LIQUIDS OR SOLIDS IN THE BUILDING AND THE OCCUPATION THEREOF AND SHALL MAINTAIN THE BUILDING IN SUCH A MANNER AS TO PREVENT THE SAME FROM BEING A HAZARD TO THE PUBLIC SAFETY.

*William E. Fisher*  
 1918

This certificate is issued to **Ludin Realty Co.,**  
 owner of the aforesaid building, address **201 West 34 St., N.Y. City.**

in accordance with the provisions of Section 5, Article 1, Chapter 5 of the Code of Ordinances of the City of New York, and Chapter 503, Section 411-a of the Greater New York Charter.

DATED **June 24, 1918.**

*William E. Fisher*  
 Superintendent of Buildings

12-11-77

Dear Mr. [Name]:

Reference is made to your letter of [Date]

concerning [Subject]

The [Organization] has reviewed your request and is pleased to advise you that [Action]

[Additional details of the decision]

[Further information regarding the process]

[Closing remarks and contact information]

[Signature block]

[Administrative notes]

[Final remarks and distribution list]

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DEPARTMENT OF HOUSING AND BUILDINGS

BOROUGH OF MANHATTAN, CITY OF NEW YORK

No. 3776

Date October 27, 1950

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C.26-181.0 to C.26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the new ~~erected~~ ~~existing~~ building—premises located at  
525 West 36 Street

Block 708 Lot 20

conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 616F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

Permit No.— 612-1946

Construction classification— Class 3 Nonfireproof

Occupancy classification— Commercial . Height 4 stories, 40 feet.

Date of completion— October 17, 1950 . Located in Unrestricted Use District.

B Area 2 . Height Zone at time of issuance of permit # 1778-1950; 621-1947; 1215-1946

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS LBS. PER SQ. FT.	PERSONS ACCOMMODATED			USE
		MALE	FEMALE	TOTAL	
cellar	On ground				storage
1st story	120	10	-	10	Factory
2nd story	75	6	3	9	Office and sales.
3rd & 4th stories	75 each	2	-	2 each	( Light storage and incidental manufacturing on each story.

Fuel Oil installation approved by Fire Department September 27, 1948.

*Arthur J. Bulone*  
Borough Superintendent. CR

**NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT**

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Housing and Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

6/7/2012

060612

HPD Building, Registration & Violation Services --- Select --- [Home](#)

Boro	House #	Street	Search	Clear
Manhattan	511-515	west 36 st	Street	Block

**There are no Records that match the search criteria entered. Please try one or more of the following to conduct a successful search:**

- 1. Partial entries for a data element or Record, e.g. Use 8 instead of 8th Street or enter a Borough and Block but no Lot.**
- 2. Ensure all the data entered is correct, i.e. Borough, Block and Lot or Borough, House #, and Street Name depending on the search method**

6/7/2012  
060612

HPD Building, Registration & Violation Services  · [Home](#)

**The selected address: 517 WEST 36 STREET, Manhattan 10018**

HPD#	Range	Block	Lot	CD	CensusTract	Stories	A Units	B Units	Ownership	MDR#	Class
32501	Active	517-519	00708	0022	4 9900	3	0	0	PVT	0	N/A

- [Other Units](#)
- [Property Owner Registration Information](#)
- [Charges](#)
- [Map](#)
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- [Complaint History](#)
- Carbon Monoxide Certificate
- [Litigation/Case Status](#)
- [All Open Violations](#)
- [prior year Open Viol.'s](#)
- Ecertainment
- [I-Card Images](#)
- Property Registration Assistance

One and two family properties are not required to register with HPD unless neither the property owner nor family members of the owner live on the premises. Owners of these properties can register after obtaining a Registration Number. For more information on how to obtain a Registration Number and register, please return to the HPD home page and search for Property Registration.

No violations were retrieved.

6/7/2012  
060612

HPD Building, Registration & Violation Services --- Select --- [Home](#)

**The selected address: 521 WEST 36 STREET, Manhattan 10018**

HPD#	Range	Block	Lot	CD	CensusTract	Stories	A Units	B Units	Ownership	MDR#	Class	
32503	Active	521-521	00708	0021	4	9900	-	0	0	PVT	0	N/A

- [Other Units](#)
- [Property Owner Registration Information](#)
- [Charges](#)
- [Map](#)
- [Complaint Status](#)
- [Complaint History](#)
- Carbon Monoxide Certificate
- [Litigation/Case Status](#)
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No violations were retrieved.

6/7/2012  
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HPD Building, Registration & Violation Services --- Select --- [Home](#)

**The selected address: 525 WEST 36 STREET, Manhattan 10018**

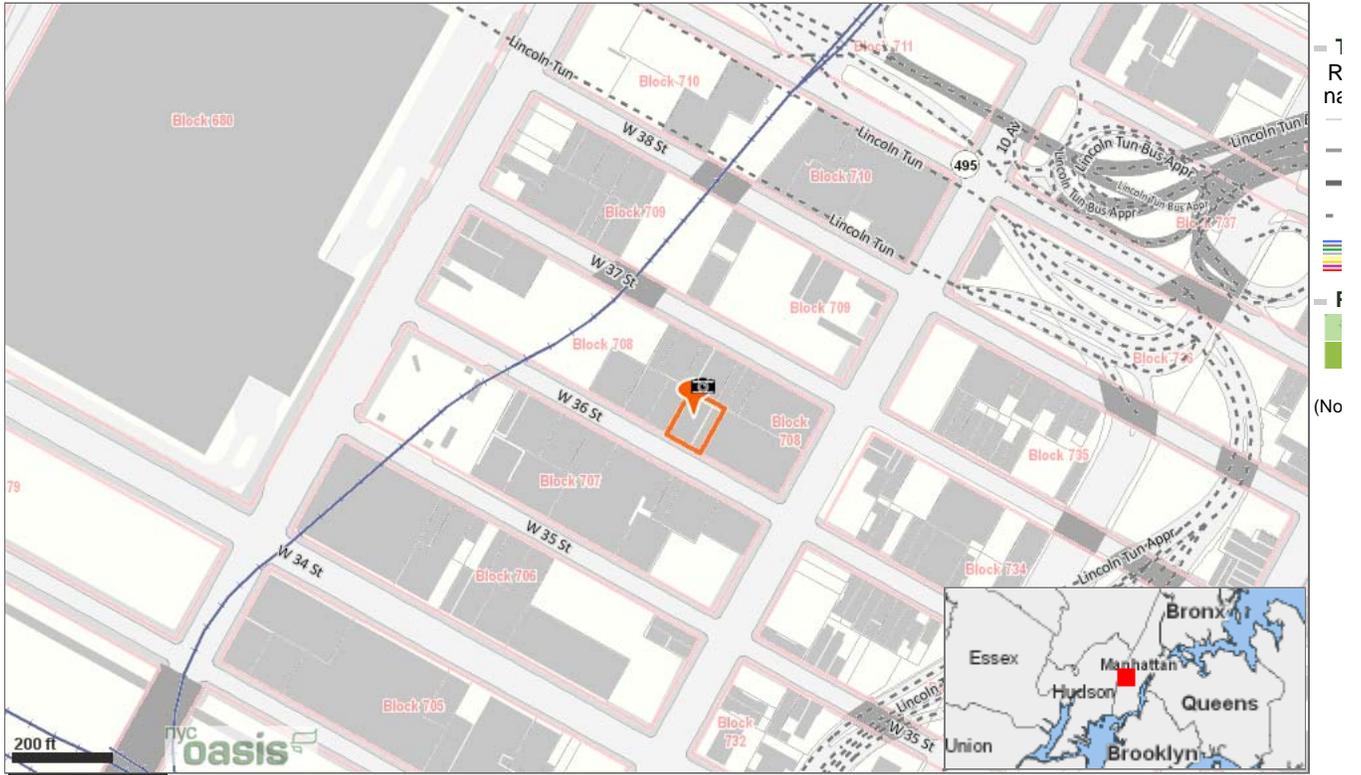
HPD#	Range	Block	Lot	CD	CensusTract	Stories	A Units	B Units	Ownership	MDR#	Class	
32505	Active	525-525	00708	0020	4	9900	4	0	0	PVT	0	N/A

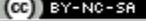
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No violations were retrieved.

# 511-515,517-519 & 521-525 West 36th St, New York, nyc oasis



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**Location Report****Property Information (1)**

513 WEST 36 STREET, MANHATTAN 10018

**Industrial / Manufacturing**

Owner: NATIONAL ACOUSTICS IN

Block: 708 Lot: 24

**Property Characteristics:**

Lot Area: 7,406 sq ft (75' x 98.75')

# of Buildings: 2 Year built: 1910 (Year built is an estimate)

# of floors: 6 Building Area: 37,923 sq ft

Total Units: 1 Residential Units: 0

Primary zoning: C2-8 Commercial Overlay: None

Floor Area Ratio: 5.12 Max. FAR: 10

FAR may depend on street widths or other characteristics. Contact [City Planning Dept.](#) for latest information.**MORE INFO:**

- **Zoning Map#:** [8d](#) ([how to read](#) NYC zoning maps)
- **Historical Zoning Maps:** [8d](#)
- [NYC Dept. of Buildings](#)
- [Property transaction records](#)
- [NYC Dept. of Finance Assessment Roll](#)
- [NYC Digital Tax Map](#)
- [NYC zoning guide](#)
- [NYC Watershed Resources](#)

**OASIS shortcut to this property:**<http://oasisnyc.net/printmap.aspx?zoomto=lot:1007080024>

Source: The Bytes of the Big Apple (TM) PLUTO (TM) and Tax Block &amp; Tax Lot files are copyrighted by the New York City Department of City Planning, 2010 (ver. 10v1).

NYC Department of City Planning Census Factfinder

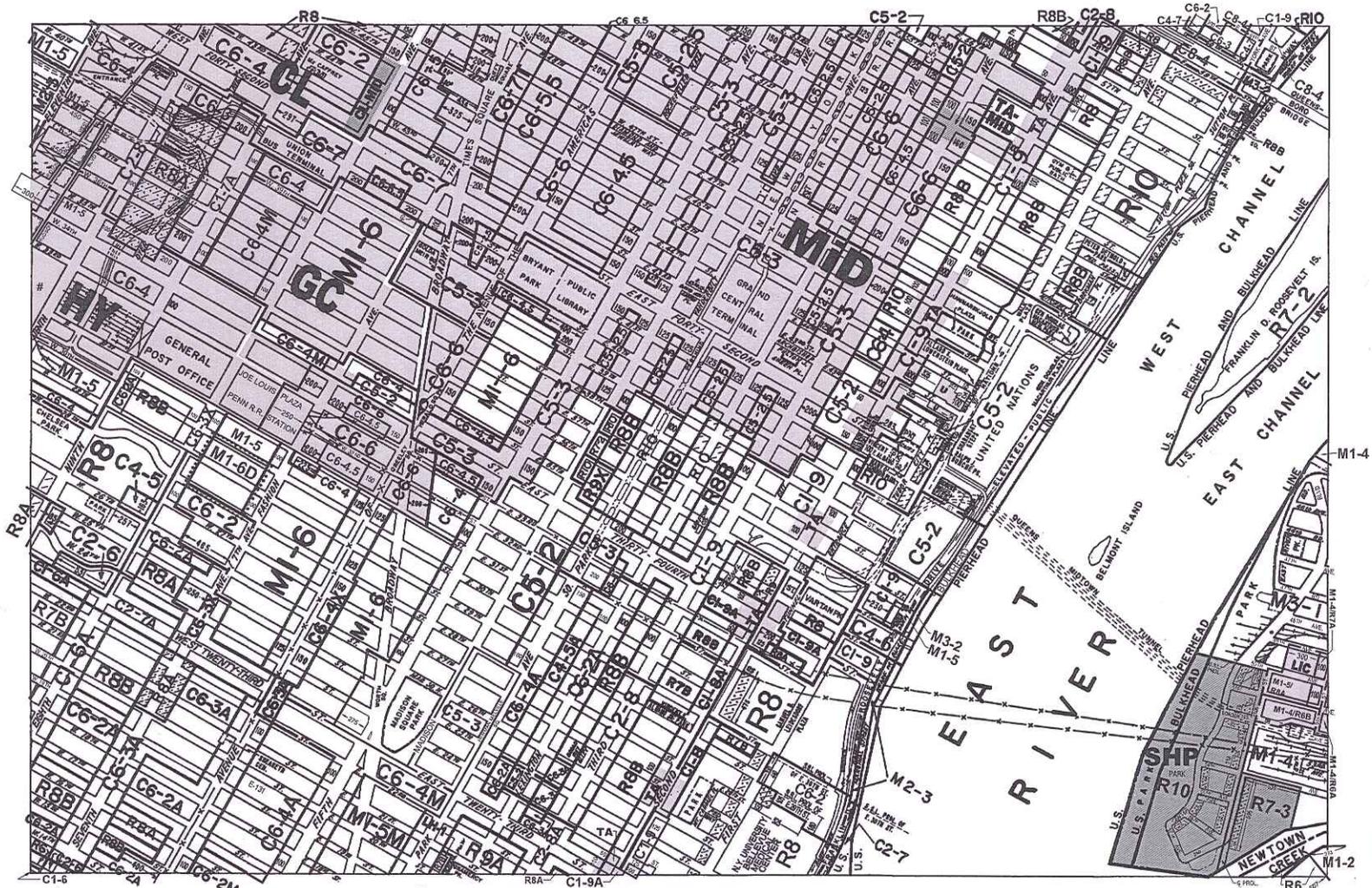
Find all census tracts within  mile(s) **Go****YAHOO!** Local search results for this address:[Allen Wilson & Association](#)[Midtown Glass](#)[Peter Pann Accessories](#)[Steven & Francine's Complete Automotive Repair Incorporated](#)[Steven & Francine's Complete Automotive Repair Incorporated](#)[Torch Cigar Lounge](#)Know of something that's missing? [Add it to YAHOO!](#)**Mannahatta (1)****Community District (1)****Manhattan 4 Community District Information**

Chairperson: Mr. J.D. Nolan

District Manager: Mr. Robert J. Benfatto

Address: 330 West 42nd Street, Suite 2618, New York, NY, 10036

Phone: 212-736-4536 Email: [info@manhattancb4.org](mailto:info@manhattancb4.org)Website: <http://www.manhattancb4.org/>**Meeting Information:** The Full Board generally meets on the first Wednesday of each month at 6pm, alternating between a location in Chelsea (119 9th Avenue, Fulton Center) and one in Hell's Kitchen (1000 10th Avenue, Roosevelt Hospital, 2nd floor).[Go to District Profile](#) by NYC Dept. of City Planning**Political Districts (5)**NYC Council: [District 3](#)NYS Assembly: [District 75](#)NYS Senate: [District 29](#)US House of Representatives: [District 8](#)US Senate: [New York](#)



# ZONING MAP

THE NEW YORK CITY PLANNING COMMISSION

## Major Zoning Classifications:

The number(s) and/or letter(s) that follows an R, C or M District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution.

- R - RESIDENTIAL DISTRICT
- C - COMMERCIAL DISTRICT
- M - MANUFACTURING DISTRICT

**SPECIAL PURPOSE DISTRICT**  
The letter(s) within the shaded area designates the special purpose district as described in the text of the Zoning Resolution.

AREA(S) REZONED

## Effective Date(s) of Rezoning:

09-21-2011 C 100063 ZMM

## Special Requirements:

For a list of lots subject to CEQR environmental requirements, see APPENDIX C.

For a list of lots subject to "D" restrictive declarations, see APPENDIX D.

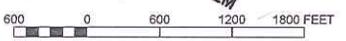
For Inclusionary Housing designated areas on this map, see APPENDIX F.

### MAP KEY

8a	8c	9a
8b	<b>8d</b>	9b
12a	12c	13a

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ZONING MAP 8d



# NOTE: STREETS FOR THE STREET MAP CHANGE C 040508 MIM ARE SHOWN ON THIS MAP PRIOR TO BECOMING EFFECTIVE IN ORDER TO LOCATE ZONING DISTRICT BOUNDARIES.



NOTE: Where no dimensions for zoning district boundaries appear on the zoning maps, such dimensions are determined in Article VII, Chapter 6 (Location of District Boundaries) of the Zoning Resolution.

NOTE: Zoning information as shown on this map is subject to change. For the most up-to-date zoning information for this map, visit the Zoning section of the Department of City Planning website: [www.nyc.gov/planning](http://www.nyc.gov/planning) or contact the Zoning Information Desk at (212) 720-3291.

APPENDIX C  
FIRE INSURANCE MAPS

**511-515, 517-519 & 521-525 West 36th St, NYC**

511 West 36th Street

New York, NY 10018

Inquiry Number: 3351061.3

June 22, 2012

## Certified Sanborn® Map Report

# Certified Sanborn® Map Report

6/22/12

**Site Name:**

511-515, 517-519 & 521-525  
511 West 36th Street  
New York, NY 10018

**Client Name:**

Hydro Tech Env. Corp.  
77 Arkay Drive  
Hauppauge, NY 11788-0000



EDR Inquiry # 3351061.3

Contact: Shana Cross

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Hydro Tech Env. Corp. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

## Certified Sanborn Results:

**Site Name:** 511-515, 517-519 & 521-525 West 36th St,  
**Address:** 511 West 36th Street  
**City, State, Zip:** New York, NY 10018  
**Cross Street:**  
**P.O. #** 5151  
**Project:** 120119  
**Certification #** E557-4289-AE7C



Sanborn® Library search results  
Certification # E557-4289-AE7C

**Maps Provided:**

2005	1995	1987	1950
2004	1994	1985	1930
2003	1993	1982	1911
2002	1992	1980	1899
2001	1991	1979	1890
1996	1988	1976	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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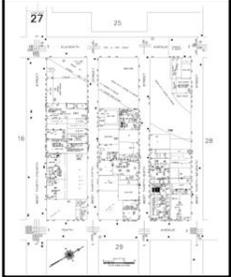
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## Sanborn Sheet Thumbnails

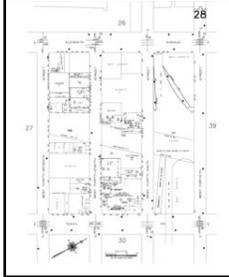
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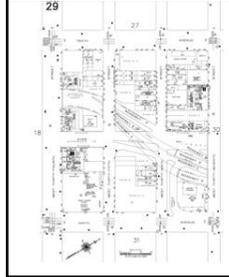
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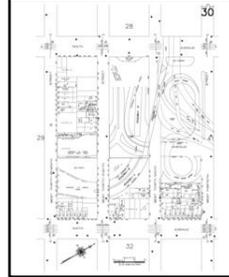
Volume 5S, Sheet 27



Volume 5S, Sheet 28

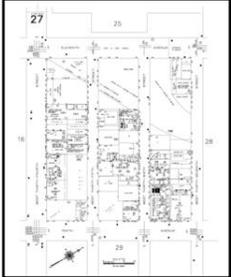


Volume 5S, Sheet 29

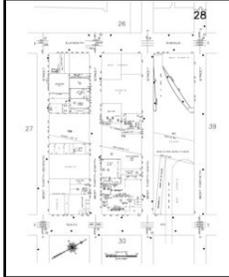


Volume 5S, Sheet 30

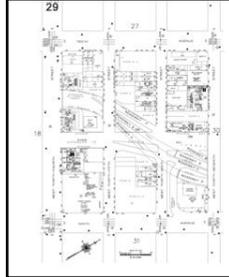
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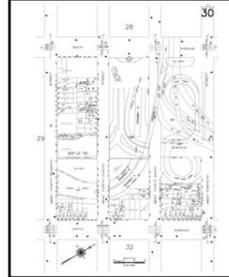
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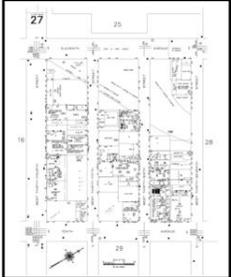


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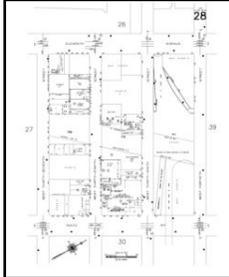


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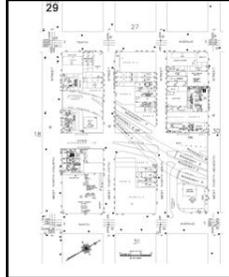
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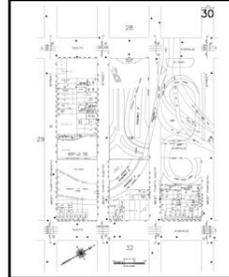
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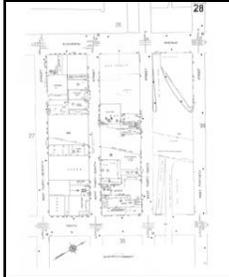


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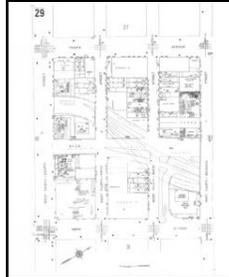
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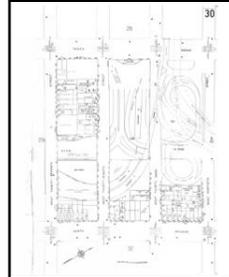
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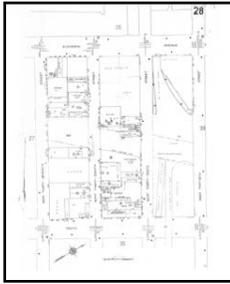


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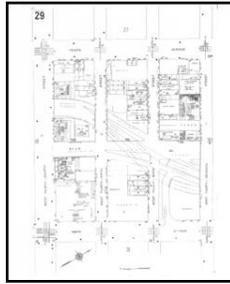
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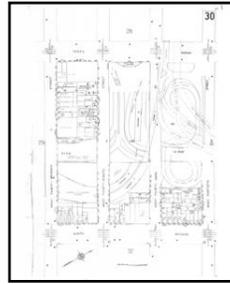
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Volume 5S, Sheet 29



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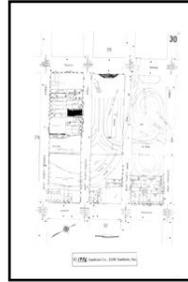
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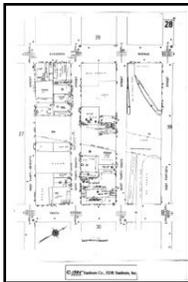


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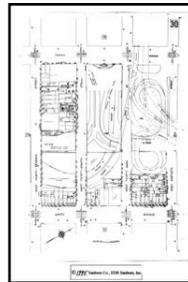
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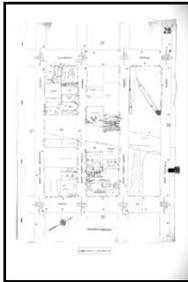


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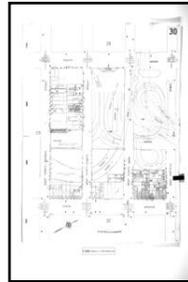
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**1993 Source Sheets**



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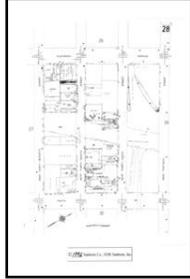


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**1992 Source Sheets**



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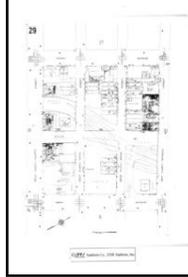
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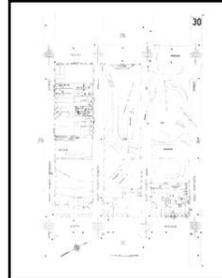
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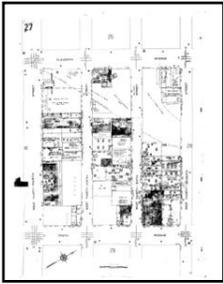
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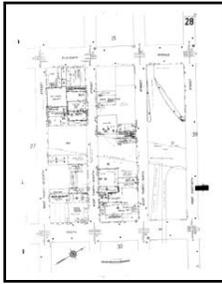
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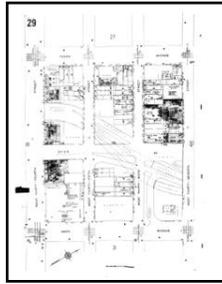
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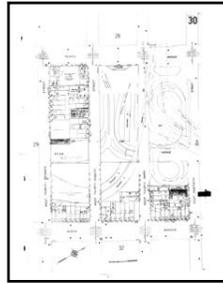
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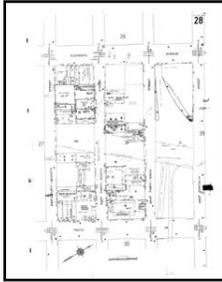


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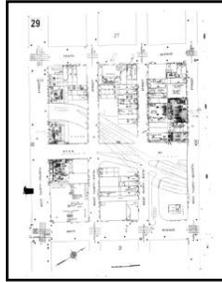
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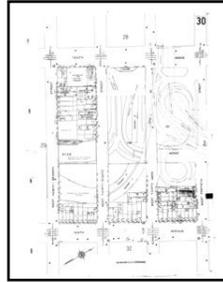
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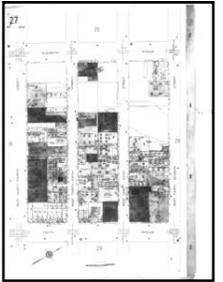


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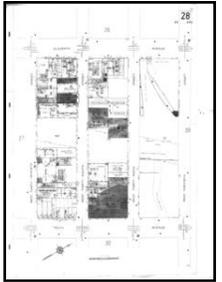


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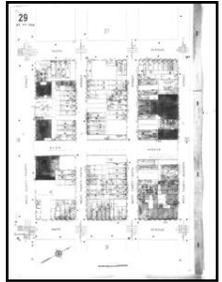
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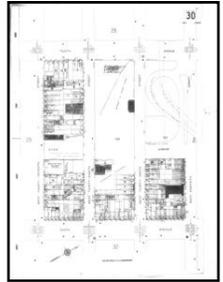
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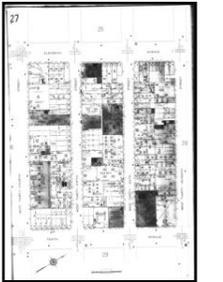


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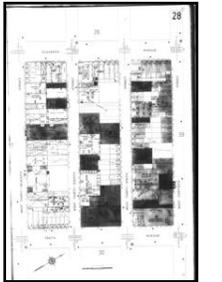


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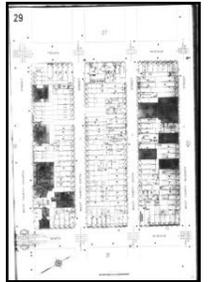
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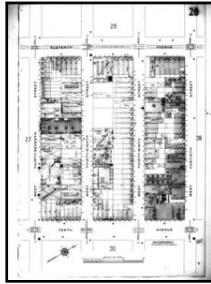


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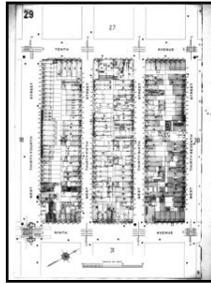
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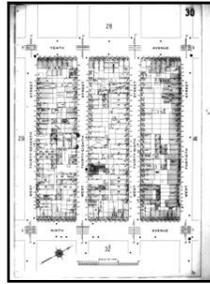
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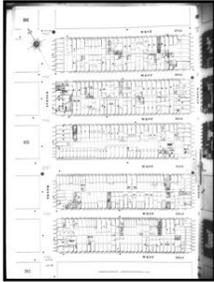


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Volume 5N, Sheet 30

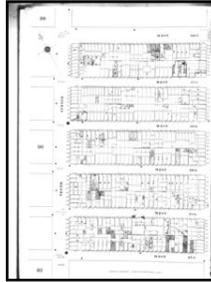
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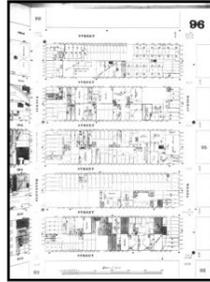
Volume 5N, Sheet 92



Volume 5N, Sheet 93

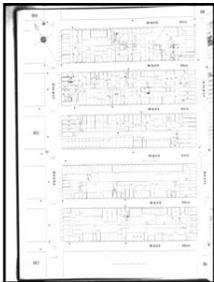


Volume 5N, Sheet 95



Volume 5N, Sheet 96

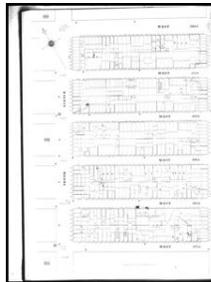
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Volume 5N, Sheet 93



Volume 5N, Sheet 95



Volume 5N, Sheet 96

# 2005 Certified Sanborn Map



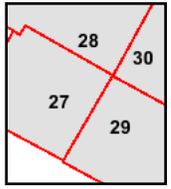
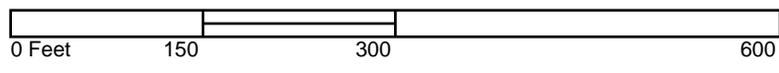
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Certification # E557-4289-AE7C

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 Address: 511-515 West 36th Street  
 City, ST, ZIP: New York NY 10018  
 Client: Hydro Tech Env. Corp.  
 EDR Inquiry: 3351061.3  
 Order Date: 6/22/2012 5:27:01 PM  
 Certification #: E557-4289-AE7C  
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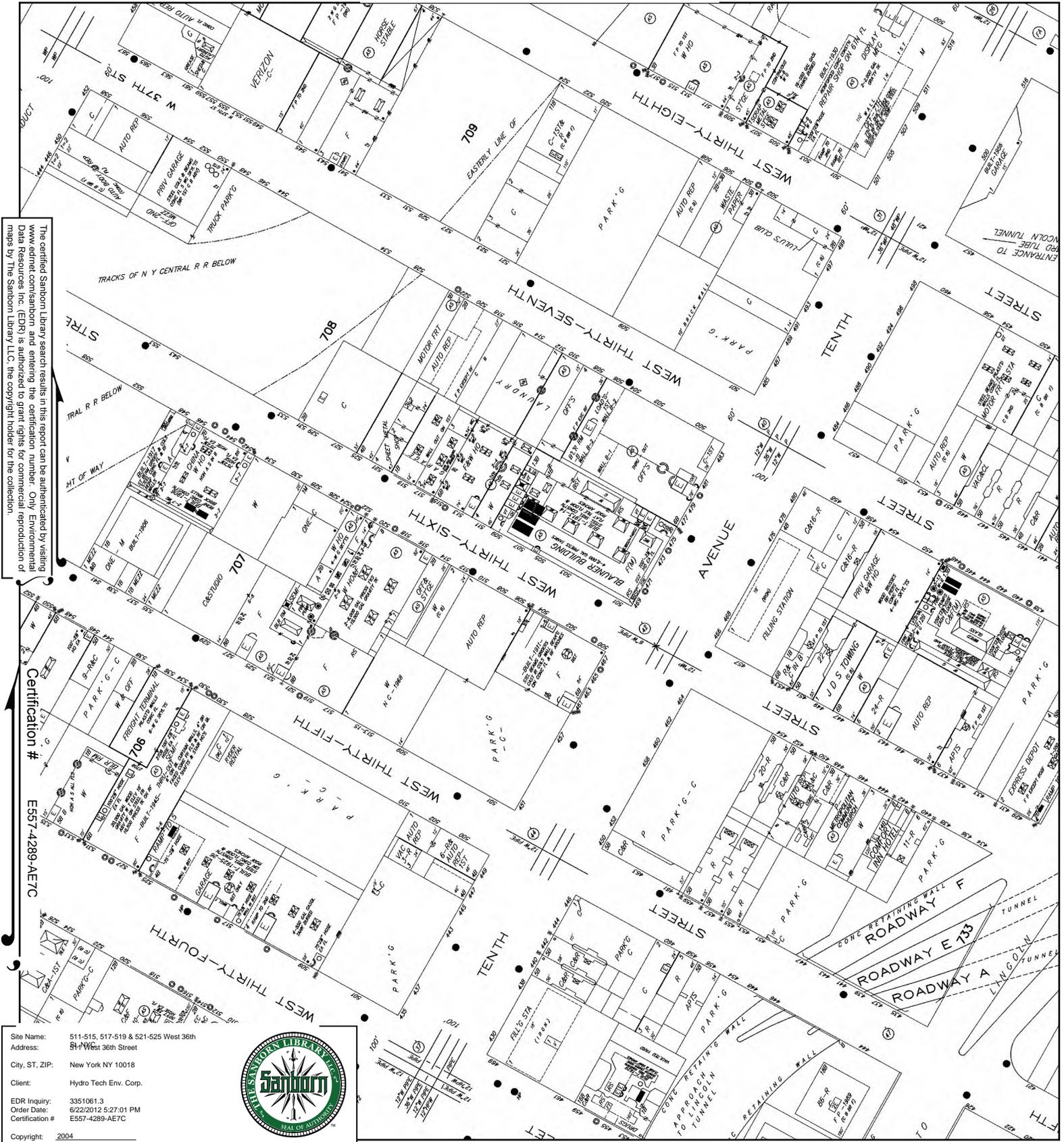
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- Volume 5S, Sheet 28
- Volume 5S, Sheet 29
- Volume 5S, Sheet 30



# 2004 Certified Sanborn Map



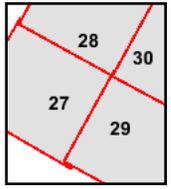
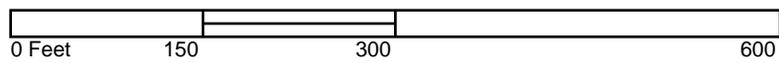
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 Order Date: 6/22/2012 5:27:01 PM  
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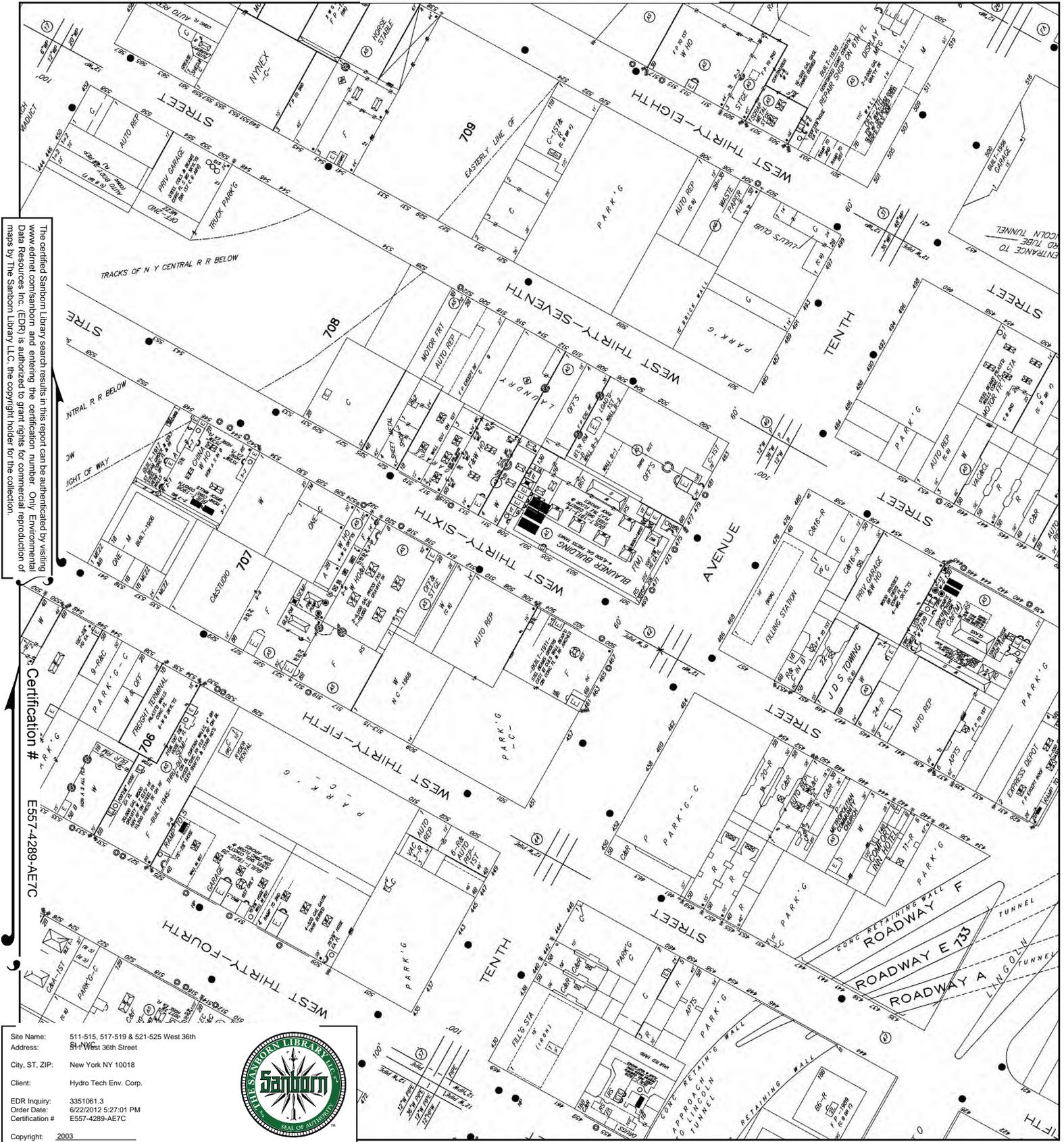
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- Volume 5S, Sheet 28
- Volume 5S, Sheet 29
- Volume 5S, Sheet 30



# 2003 Certified Sanborn Map



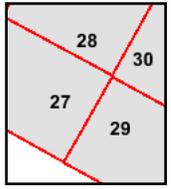
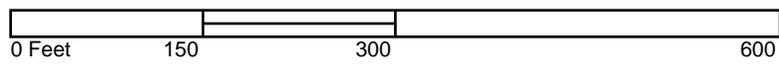
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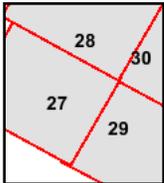
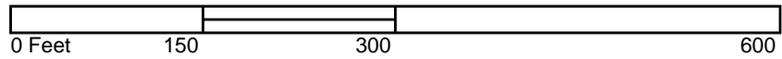
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- Volume 5S, Sheet 29
- Volume 5S, Sheet 30



# 2002 Certified Sanborn Map



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# 2001 Certified Sanborn Map



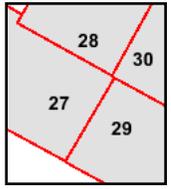
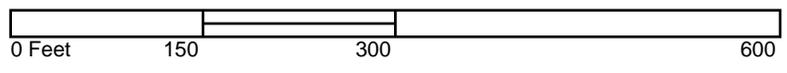
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# 1996 Certified Sanborn Map



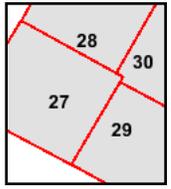
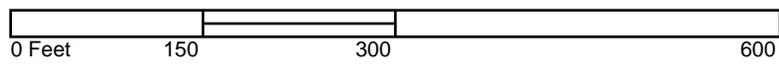
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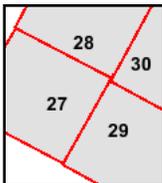
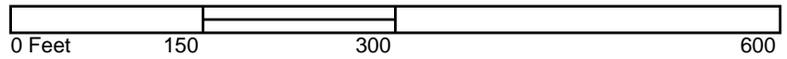
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# 1995 Certified Sanborn Map



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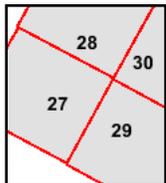
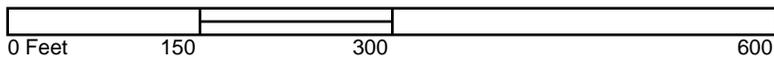
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# 1994 Certified Sanborn Map



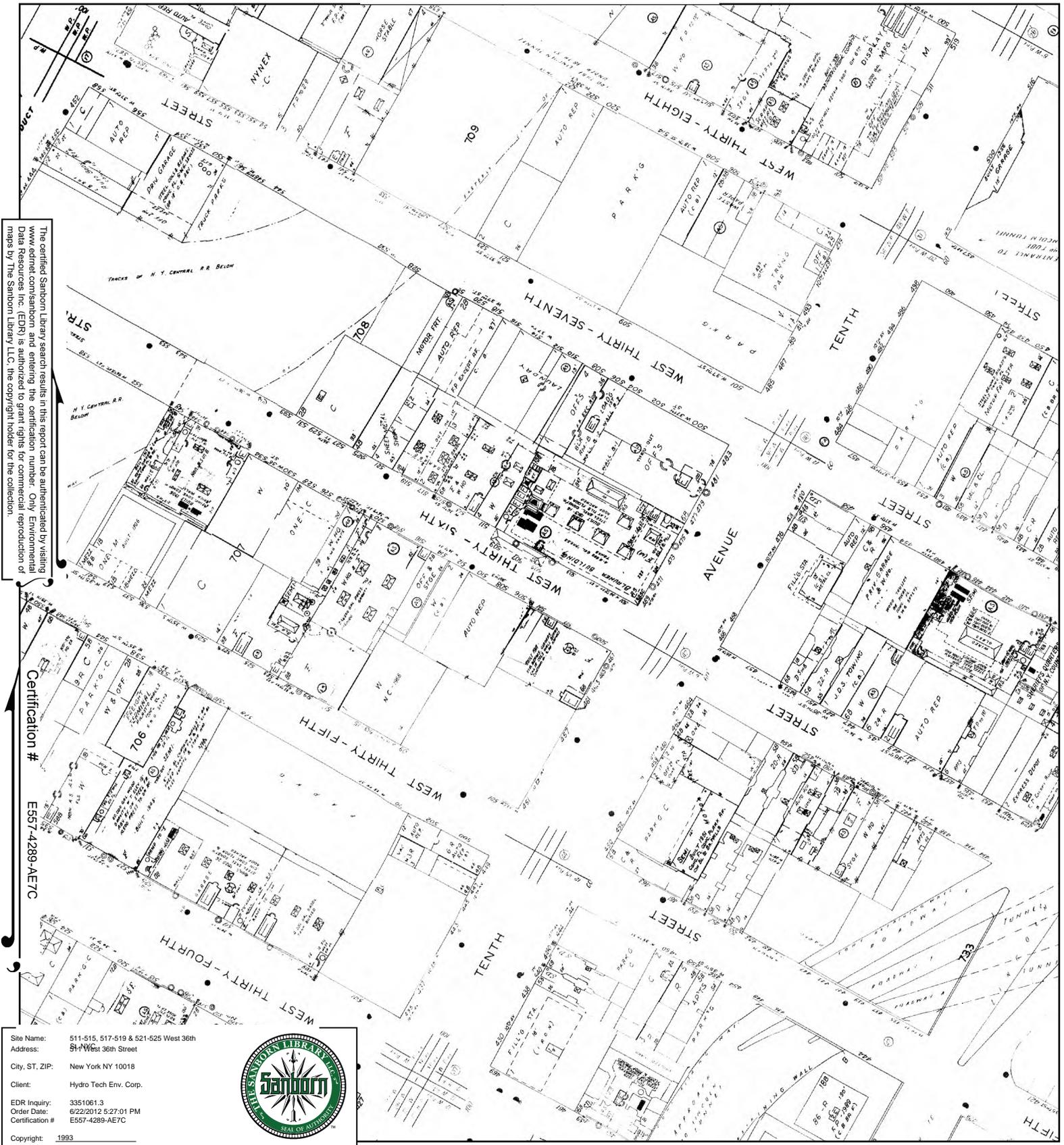
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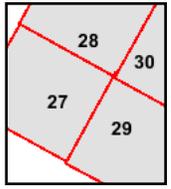
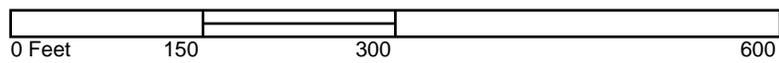
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# 1993 Certified Sanborn Map



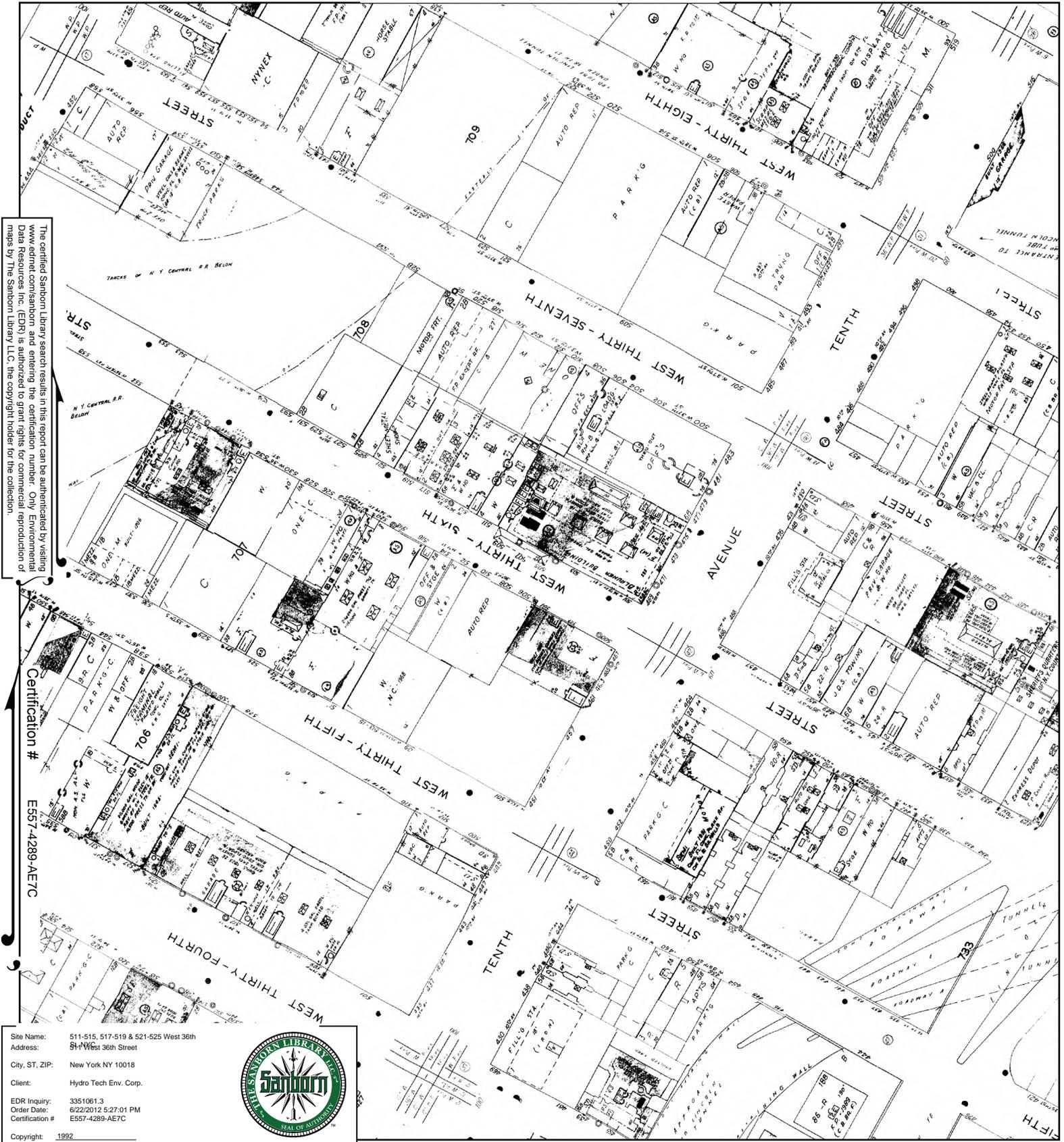
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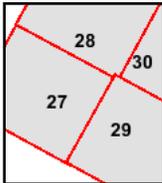
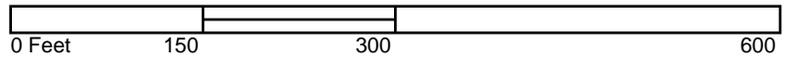
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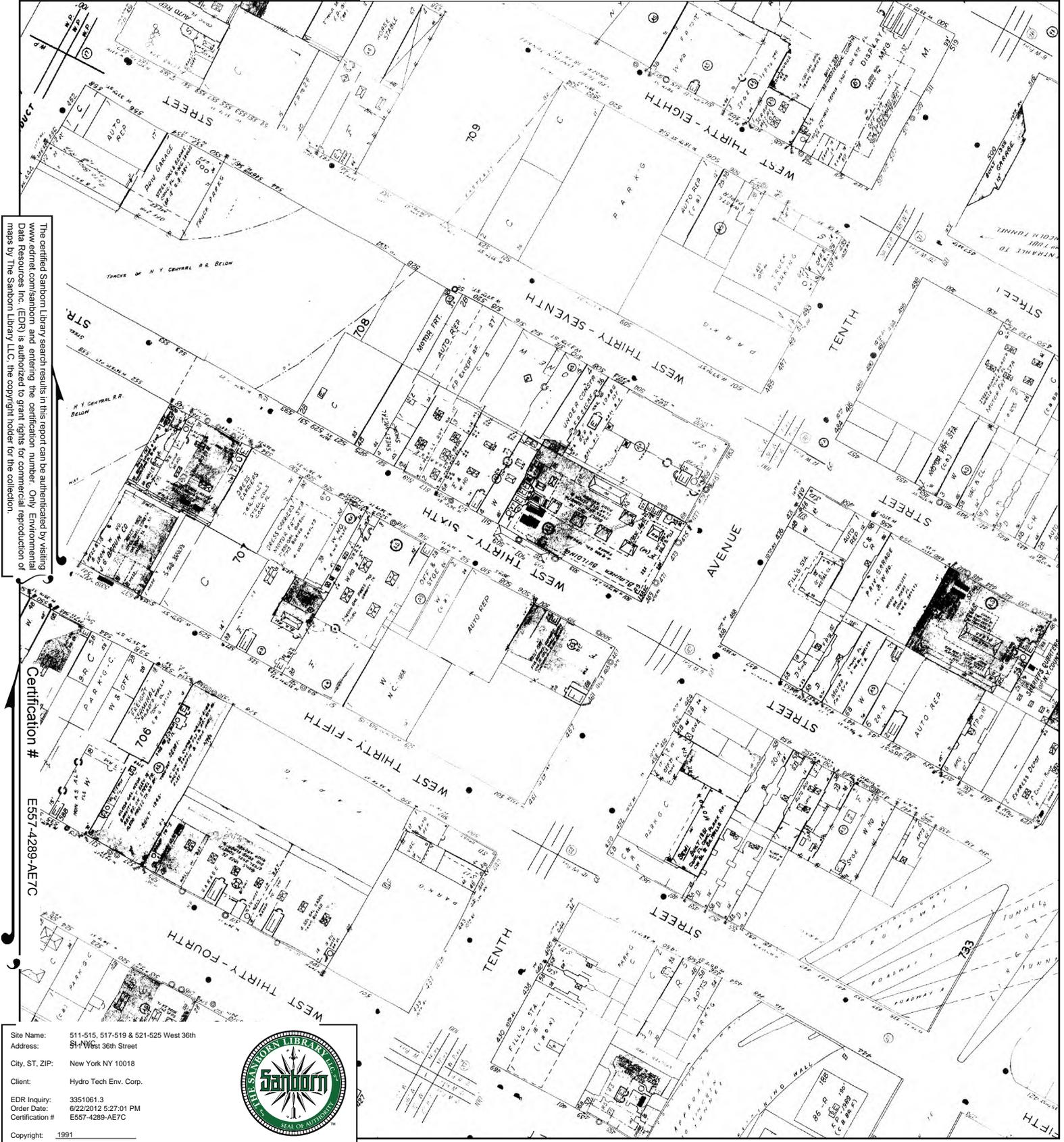
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# 1991 Certified Sanborn Map



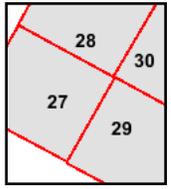
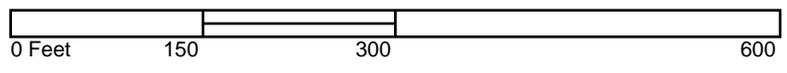
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# 1988 Certified Sanborn Map



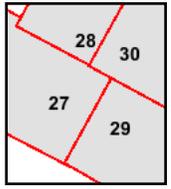
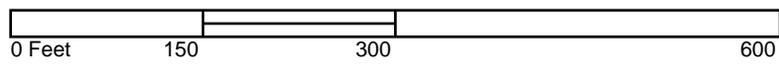
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# 1987 Certified Sanborn Map



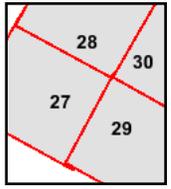
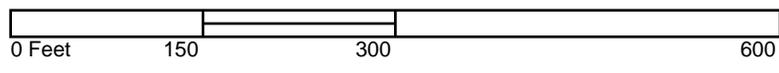
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# 1985 Certified Sanborn Map



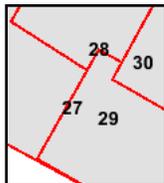
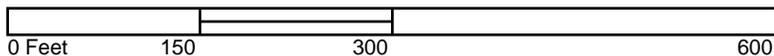
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# 1982 Certified Sanborn Map



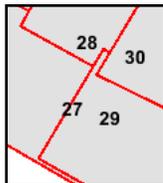
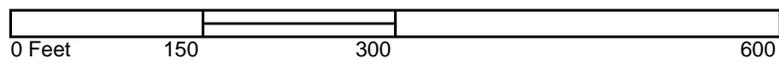
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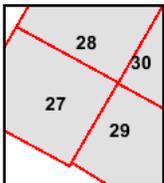
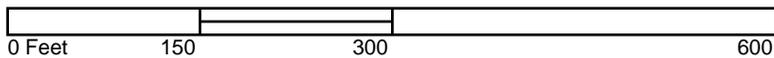
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# 1980 Certified Sanborn Map



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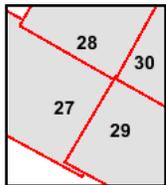
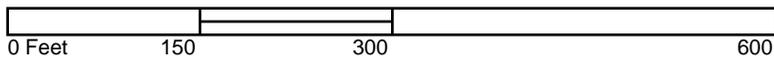
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# 1979 Certified Sanborn Map



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# 1976 Certified Sanborn Map



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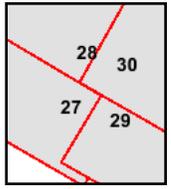
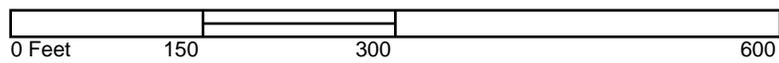
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# 1950 Certified Sanborn Map



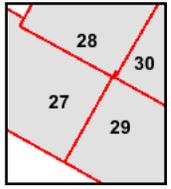
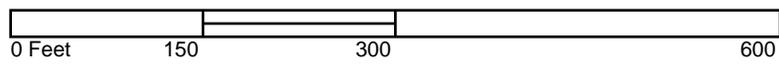
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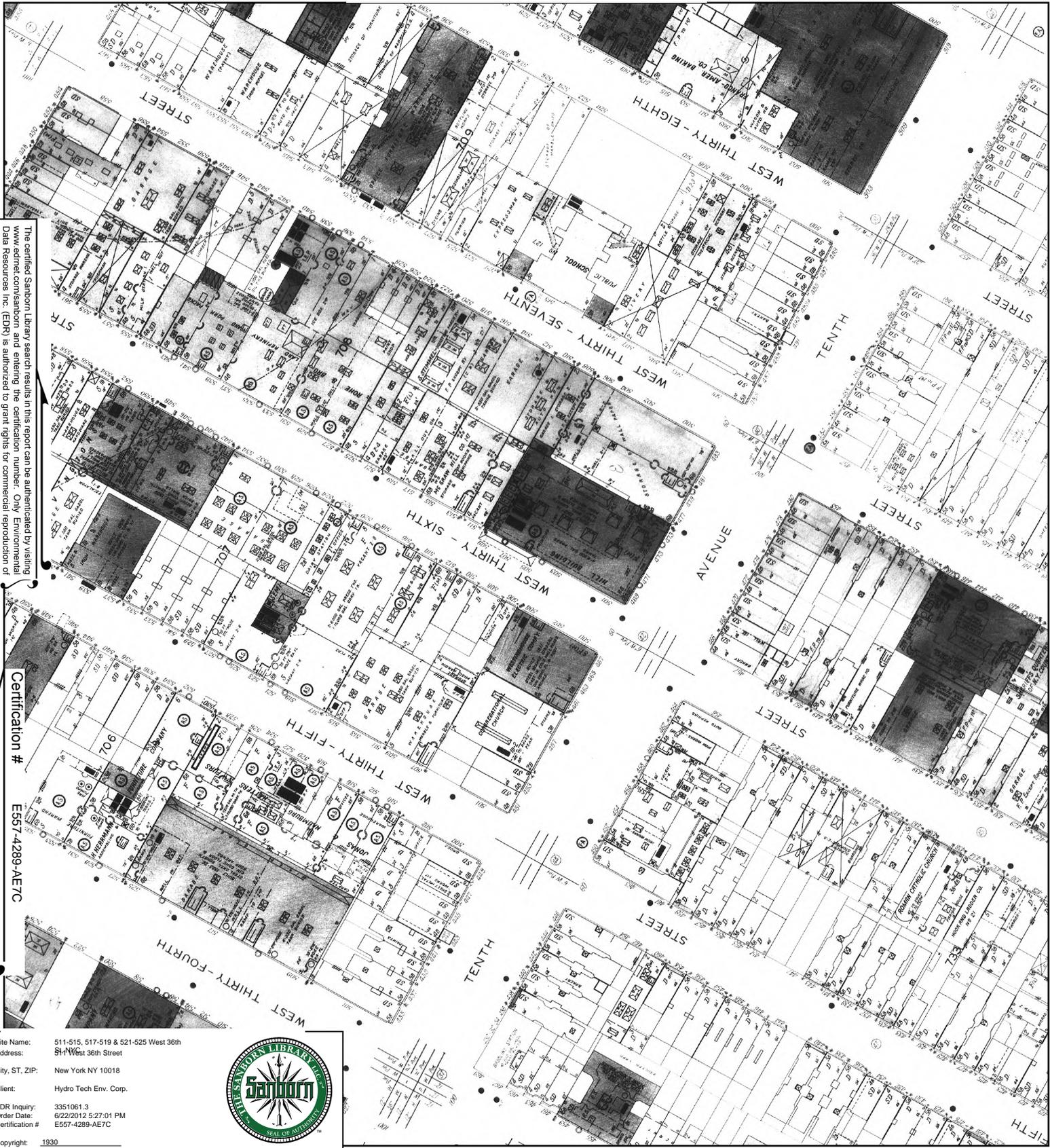
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# 1930 Certified Sanborn Map



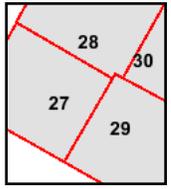
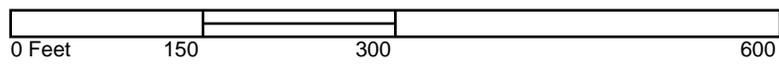
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# 1911 Certified Sanborn Map



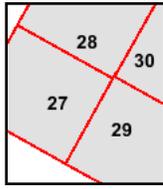
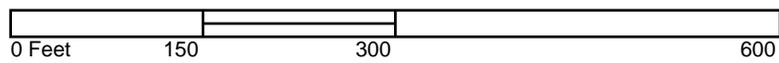
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# 1899 Certified Sanborn Map



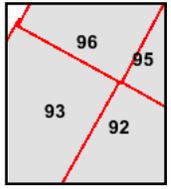
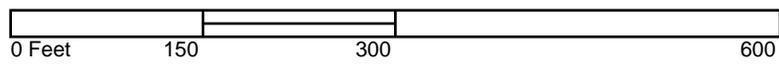
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# 1890 Certified Sanborn Map



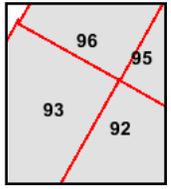
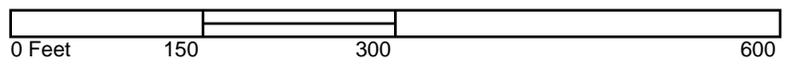
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 Certification #: E557-4289-AE7C  
 Copyright: 1890



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 5N, Sheet 92
- Volume 5N, Sheet 93
- Volume 5N, Sheet 95
- Volume 5N, Sheet 96



APPENDIX D  
CITY DIRECTORY SEARCH

**511-515, 517-519 & 521-525 West 36th St, NYC**

511 West 36th Street  
New York, NY 10018

Inquiry Number: 3351061.4  
June 22, 2012

## The EDR-City Directory Abstract

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2006. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2006	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	X	X	X	-
1998	NYNEX Telephone	-	X	X	-
1996	NYNEX	-	-	-	-
1993	NYNEX Telephone	-	X	X	-
1988	NYNEX Telephone	-	X	X	-
1983	New York Telephone	-	X	X	-
1978	New York Telephone	X	X	X	-
1973	New York Telephone	X	X	X	-
1968	New York Telephone	X	X	X	-
1963	New York Telephone	X	X	X	-
1958	New York Telephone	X	X	X	-
1956	New York Telephone	X	X	X	-
1950	New York Telephone	X	X	X	-
1947	New York Telephone	X	X	X	-
1942	New York Telephone	X	X	X	-
1938	New York Telephone	X	X	X	-
1934	R. L. Polk & Co.	-	-	-	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	X	X	-
1927	New York Telephone	-	X	X	-
1923	R. L. Polk & Co.	-	-	-	-
1920	R. L. Polk & Co.	-	-	-	-

## EXECUTIVE SUMMARY

### SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<b><u>Address</u></b>	<b><u>Type</u></b>	<b><u>Findings</u></b>
513 West 36th Street	Client Entered	
515 West 36th Street	Client Entered	X
517 West 36th Street	Client Entered	X
519 West 36th Street	Client Entered	X
521 West 36th Street	Client Entered	X
523 West 36th Street	Client Entered	
525 West 36th Street	Client Entered	X

# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

511 West 36th Street  
New York, NY 10018

### FINDINGS DETAIL

Target Property research detail.

### W 36 ST

#### 511 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1978	RANDELL TRANSPORTATION INC	New York Telephone
1973	RANDELL TRANSPORTATION INC	New York Telephone
1968	R & C TRUCKG CO	New York Telephone
	ROSENBERG & COHEN INC TRUKG	New York Telephone
	S & R TRUCKG INC	New York Telephone
1963	R & C TRUCKG CO	New York Telephone
	ROSENBERG & COHEN INC TRUKG	New York Telephone
	S & R TRUCKG INC	New York Telephone
1958	FILBERT L S INC TRUKNG	New York Telephone
1956	FILBERT L S INC TRUKNG	New York Telephone
1950	FILBERT L S INC TRUKNQ	New York Telephone
1947	FILBERT L S INC TRUKNG	New York Telephone
1942	FILBERT L S INC TRUKIG	New York Telephone
1938	FINE S MOTOR TRANSPTN CO	New York Telephone
	RAND JOS TRANSPTN CO	New York Telephone

### W 36TH ST

#### 511 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	h Mount Steven	Hill-Donnelly Information Services
2000	WAYNE BURMASTER	Cole Information Services

## FINDINGS

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

#### 10TH AVE

##### 464 10TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	BENNETT & HUGHLES AUTO REPR CO INC	New York Telephone
1963	BENNETT & HUGHES INC AUTO SVCE	New York Telephone
1958	BENNETT & HUGHES INC AUTO SVCE	New York Telephone
1956	BENNETT & HUGHES INC AUTO SVCE	New York Telephone
1950	BENNETT & HUGHES INC AUTO SERV	New York Telephone
	BENNETT & HUGHES INC AUTO SERV	New York Telephone
1947	BENNETT & HUGHES INC AUTO SERV	New York Telephone
	BENNETT & HUGHES INC AUTO SERV	New York Telephone
1942	BENNETT & HUGHES INC AUTO SERV	New York Telephone
	BENNETT & HUGHES INC AUTO SERV	New York Telephone
1938	BENNETT & HUGHES INC AUTO SERV	New York Telephone
	BENNETT & HUGHES INC AUTO SERV	New York Telephone
1931	COCHRANE CATH	Manhattan and Bronx Directory Publishing Company Residential Directory
	CREEGAN JAS	Manhattan and Bronx Directory Publishing Company Residential Directory
	FUCHE ELIZ S	Manhattan and Bronx Directory Publishing Company Residential Directory
	HICKEY MARY	Manhattan and Bronx Directory Publishing Company Residential Directory
	HICKEY WM	Manhattan and Bronx Directory Publishing Company Residential Directory
	WILT JOHN	Manhattan and Bronx Directory Publishing Company Residential Directory
	Wilt John	Manhattan and Bronx Directory Publishing Company Residential Directory
	Hickey Wm	Manhattan and Bronx Directory Publishing Company Residential Directory
	Hickey Mary	Manhattan and Bronx Directory Publishing Company Residential Directory
	Fuche Eliz S	Manhattan and Bronx Directory Publishing Company Residential Directory
	Creegan Jas	Manhattan and Bronx Directory Publishing Company Residential Directory

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Cochrane Cath	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Bennett & Hughes Ford serv	New York Telephone
	BENNETT & HUGHES FORD SERV	New York Telephone

### 466 10TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BP	Hill-Donnelly Information Services
	Call Car Repair 24 Hour	Hill-Donnelly Information Services
	BP Amoco i R	Hill-Donnelly Information Services
1998	A-A-A-A-A-A-A-A-A-A	NYNEX Telephone
	A A A A TOWING	NYNEX Telephone
	A-AAA TOWING	NYNEX Telephone
	A-AAA TOWING	NYNEX Telephone
	A-A-A-A-A-A-A-A-A-A TOWING	NYNEX Telephone
	A TOW CAR CO	NYNEX Telephone
	EMERGENCY TIRE REPAIR BY YES	NYNEX Telephone
	EMERGENCY TOWING	NYNEX Telephone
	EMERGENCY TOWING BY YES	NYNEX Telephone
	MID UP TOWING	NYNEX Telephone
	TOW COMPANY	NYNEX Telephone
	TOW CO	NYNEX Telephone
	24 HOUR TOWING	NYNEX Telephone
	24 HOURS EMERGENCY TOWING	NYNEX Telephone
	URBAN TRANSPORTATION MANAGMNT SYSTEMS CORP	NYNEX Telephone
	ZUZU AUTO REPAIR	NYNEX Telephone
1993	URBAN TRANSPORTATION MANAGMNT SYSTEMS CORP	NYNEX Telephone
	TOWING BY AAYM	NYNEX Telephone
	MID UP TOWING	NYNEX Telephone
	AAYM AUTO REPR & BODY WORK	NYNEX Telephone
	AAYM AUTO REPR & BODY WORK	NYNEX Telephone
1988	URBAN TRANSPORTATION MANAGMNT SYSTEMS CORP	NYNEX Telephone
	J & V AUTO REPR	NYNEX Telephone
1963	JEDS CONSOLIDATNIG CO INC	New York Telephone
1958	AIR FREIGHT HAULAGE CO	New York Telephone
	AIR FREIGHT HAULAGE CO	New York Telephone
	ELIOT TRUCK RENTL CORP	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	PACKAGE AIR TRUCKING CORP	New York Telephone
	COHEN EXPRESS CORP	New York Telephone
1942	MCCOLLUK ANNA M RESTRNT	New York Telephone
1938	RE MELLE LUNCH SYSTM INC	New York Telephone

### 467 10TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	KELY WIRE DIE CORP	NYNEX Telephone
1988	KELLY WIRE DIE CORP	NYNEX Telephone
	MELAM SVCES INC	NYNEX Telephone
	SAMUELS SIDNEY INC	NYNEX Telephone
1983	BUENAVENTURA BLDG INC	New York Telephone
	DOBARC INC	New York Telephone
	LAGATA L INC	New York Telephone
	PHILIPPINE EXPRESS CO INC	New York Telephone
	VENTURE INTERNATIONAL CORP	New York Telephone
	VILLANUE YA J T CORP	New York Telephone
	Buenaventura Bldg Inc	New York Telephone
	DobarC Inc	New York Telephone
	PHILIPPINE EXPRESS CO INC	New York Telephone
	Venture International Corp	New York Telephone
	Villanue Ya J T Corp	New York Telephone
1978	BUENAVENTURA J	New York Telephone
	LAGATA L	New York Telephone
	MELARN SVCES INC	New York Telephone
1973	MELARN SVCES INC	New York Telephone
1968	JAYEMN SVCES INC	New York Telephone
	MACE PLEATING INC	New York Telephone
1963	A B C AIR FREIGHT CO INC	New York Telephone
	GAY-LINE FROCKS	New York Telephone
	PAK-RAK	New York Telephone
1956	APEX PAPR & TWINE CO	New York Telephone
	GARMENT CENTR SUPPLIERS INC	New York Telephone
	GLUCKER EMIL CO PAOR & TWINE	New York Telephone
	GOLF PAPR & TWINE CO	New York Telephone
	HAMILTON PAPR CO	New York Telephone
	MAJOR PAPR PRODS CO	New York Telephone
	MARK HERMAN BOXS PAPR	New York Telephone
	MODERN PAPR CO	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	PEERLESS ELECTRO-MEDICAL CORP	New York Telephone
	PEERLESS ENGNRNG & MFG CO	New York Telephone
	PEERLESS LABS MED EQUIP	New York Telephone
	PEERLESS XRAY LABS & MFG CORP	New York Telephone
	SOLMEER REALTY CORP	New York Telephone
	SOLOMON ABRAHAM GLASS	New York Telephone
	SOLOMON L & SON INC GLASS	New York Telephone
	1947	GORDON COAT & APRON SUPL CO
1947	GORDON SUPL CO	New York Telephone
	PEERLESS ELECTRO-MEDICAL CORP	New York Telephone
	PEERLESS ENGNRNG & MFG CO	New York Telephone
	PEERLESS LABS MED EQUIP	New York Telephone
	SOLMEER REALTY CORP	New York Telephone
	SOLOMON ABRAHAM GLASS	New York Telephone
	SOLOMON L & SON INC GLASS	New York Telephone
	1942	BEACON AUTO STORAGE
1942	BEACON AUTO STORAGE	New York Telephone
	HI-WAY MOTORS INC SALES &SUCE	New York Telephone
1938	WESTINGHOUSE ELEC & MFG CO	New York Telephone

### 469 10TH AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	SPEACH MARK INC	New York Telephone
1947	DELMAN INC SHOES	New York Telephone
1927	WESTINGHOUSE ELEC & MFG CO	New York Telephone
	Repair shop & sve dept	New York Telephone
	Westinghouse Elec & Mfg Co	New York Telephone

### W 236 ST

#### 501 W 236 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	NOYES FRED A	Manhattan and Bronx Directory Publishing Company Residential Directory
	NOYES ELMA	Manhattan and Bronx Directory Publishing Company Residential Directory

#### 515 W 236 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	ABBATE ROCCO	Manhattan and Bronx Directory Publishing Company Residential Directory

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	ALWARD CHRISTOPHER	Manhattan and Bronx Directory Publishing Company Residential Directory
	LISANTE RAPHAEL A	Manhattan and Bronx Directory Publishing Company Residential Directory
	PICERNI JOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	PILUZZI SAML S	Manhattan and Bronx Directory Publishing Company Residential Directory

### **W 36 ST**

#### **499 W 36 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	MOORE MARY	Manhattan and Bronx Directory Publishing Company Residential Directory
	MORAN CATH	Manhattan and Bronx Directory Publishing Company Residential Directory
	MALLOY JOHN	Manhattan and Bronx Directory Publishing Company Residential Directory
	MALLOY ALCE	Manhattan and Bronx Directory Publishing Company Residential Directory
	BLAIR THOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	BLAIR SARAH	Manhattan and Bronx Directory Publishing Company Residential Directory
	BLAIR MARGT	Manhattan and Bronx Directory Publishing Company Residential Directory
	BLAIR MARY	Manhattan and Bronx Directory Publishing Company Residential Directory

#### **501 W 36 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1947	RIEDER ARTHUR L ATTY	New York Telephone
1927	BUSINESS PAPERS ADJUSTMENT BUREAU	New York Telephone

#### **502 W 36 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	FRANCHOCK CATHERINE	New York Telephone

#### **506 W 36 ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	JUST DO FT INC	NYNEX Telephone
1988	FOREST ELECTL CORP	NYNEX Telephone
1973	INTERSTATE DRESS CARRIERS INC	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	STATE PACKING & SHIPNG CORP	New York Telephone
1956	ALL FREIGHT TERMNL CO	New York Telephone
	BRESLERMAN LOUIS A LWYR	New York Telephone
	WITKIN J TRUCKING CORP	New York Telephone
	WITKIN MAINTENANCE CORP	New York Telephone
1950	WITKEN J TRUCKING CO	New York Telephone
1947	WITKIN J TRUCKING CO	New York Telephone
1942	ROADWAY EXPRESS INC	New York Telephone
	SHIPPERS FREIGHT FORWARDING CO	New York Telephone
1931	PUGLIESE CARLO	Manhattan and Bronx Directory Publishing Company Residential Directory
	EDWARDS HENRIETTA	Manhattan and Bronx Directory Publishing Company Residential Directory
	EDWARDS FRANK M	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	ERKER A M METAL WORKS	New York Telephone

### 507 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1956	UNICORN PRESS INC GENL OFCS	New York Telephone
1950	RED WING REALTY CORP	New York Telephone
	LARKIN JOHN A ARCHT	New York Telephone
	ALTMAN LOUIS L RL EST	New York Telephone
	LARKIN EDW L ARCHT	New York Telephone
1947	RED WING REALTY CORP	New York Telephone
	LARKIN JOHN A RL EST	New York Telephone
	LARKIN EDW L ARCHT	New York Telephone
	ALVERSTON REALTY CORP	New York Telephone
	ALTMAN LOUIS L RL EST	New York Telephone

### 508 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	DAVIS JOHN	Manhattan and Bronx Directory Publishing Company Residential Directory
	BARNE LUTHER J	Manhattan and Bronx Directory Publishing Company Residential Directory
	CRUMB CHR	Manhattan and Bronx Directory Publishing Company Residential Directory
	FUQUA J S	Manhattan and Bronx Directory Publishing Company Residential Directory

## FINDINGS

### 509 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	SK PAPER CO	New York Telephone

### 510 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	BAKER WAYMAN	New York Telephone
1931	ZOCCOLI ANGELO	Manhattan and Bronx Directory Publishing Company Residential Directory

### 512 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	KITS & EXPENDABLES	NYNEX Telephone
	FEATURE SYSTEMS INC	NYNEX Telephone
1993	FEATURE SYSTEMS INC	NYNEX Telephone
1988	FEATURE SYSTEMS INC	NYNEX Telephone
1983	FEATURE SYSTEMS INC	New York Telephone
1973	JENAO JUAN	New York Telephone
1956	CONTE PETER WASTE PAPER	New York Telephone
1950	FORESTERS PAPER STOCK CO	New York Telephone
	CHERY JOS IRON WK	New York Telephone
1947	FORESTERS PAPER STOCK CO	New York Telephone
	CHERY JOS IRON WK	New York Telephone
1942	FORESTERS PAPER STOCK CO	New York Telephone
	CHERY JOS IRON WK	New York Telephone
1938	FORESTERS PAPER STOCK CO	New York Telephone
	CHERY JOS IRON WK	New York Telephone
1927	STANDARD PLAYER HARDWARE CO	New York Telephone
	CURRAN SUPPLY CO STM SUP	New York Telephone
	CHERY JOS IRON WK	New York Telephone

### 514 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	A LOT OF VINYL	NYNEX Telephone
	A MANHATTAN NEON & MANHATTAN VINYL	NYNEX Telephone
	MANHATTAN NEON SIGN CORP	NYNEX Telephone
1993	AUDIO VISUAL RENTALS INC	NYNEX Telephone
	JAIME CUTTING INC	NYNEX Telephone
1988	JAIME CUTTING INC	NYNEX Telephone
	LOBE R	NYNEX Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	DAVIS DOUG	New York Telephone
	LOBE R	New York Telephone
1963	CROWN CONTAINER CO	New York Telephone
	HILDAN CROWN CONTAINER CORP	New York Telephone
	HOLMAN BOX CO	New York Telephone
	CORRUGATED & PAPER CO INC	New York Telephone
1958	CEILING SUPL CO	New York Telephone
	COWLES NOBLE P B	New York Telephone
	NATL ACCUSTICS	New York Telephone
1956	CEILING SUPL CO	New York Telephone
	MUTUAL REALTY CO	New York Telephone
	NATL ACOUSTICS	New York Telephone
1950	ABBBLGTON WAREHOUSES INC	New York Telephone
	ABINGTON WAREHOUSES INC	New York Telephone
	ABSOLUTE OIL SEPARATOR CO	New York Telephone
	CEILING SUPL CO	New York Telephone
	CELADRI CORP	New York Telephone
	MUTUAL REALTY CO	New York Telephone
	NATL ACOUSTICS	New York Telephone
1947	ABBINGTON WAREHOUSES INC	New York Telephone
	ABINGTON WAREHOUSES INC	New York Telephone
	ABSOLUTE OIL SEPARATOR CO	New York Telephone
	COURTOIS EDW B	New York Telephone
	MUTUAL REALTY CO	New York Telephone
	NATL ACOUSTICS	New York Telephone
1942	COWLES NOBLE PITT ACOUSTICS	New York Telephone
	NATL ACOUSTICS INC	New York Telephone
	ABINGTON WAREHOUSES INC	New York Telephone
	ABINGTON WAREHOUSES INC	New York Telephone
	ABSOLUTE OIL SEPARATOR CO	New York Telephone
1938	ABINGTON WAREHOUSES INC	New York Telephone
	ABINGTON WAREHOUSES INC	New York Telephone
	UNITED ELEC SALVAGE CO	New York Telephone

### 515 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	NATIONAL ACOUSTICS INC	NYNEX Telephone
1993	NATIONAL ACOUSTICS INC	NYNEX Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1988	NATIONAL ACOUSTICS INC ACOUSTICAL CEILING SPECIALISTS	NYNEX Telephone
1983	NATIONAL ACOUSTICS INC	New York Telephone
1978	NATIONAL ACOUSTICS INC	New York Telephone
1973	NATIONAL ACOUSTICS	New York Telephone
	NASCO CORP	New York Telephone
1968	NATL ACOUSTICS	New York Telephone
	NASCO CORP	New York Telephone
1963	NASCO CORP	New York Telephone
	COWLES NOBLE P B	New York Telephone
1958	ABSOLUTE OIL SEPARATOR CORP	New York Telephone
	ABINGTON WAREHSES INC	New York Telephone
	ABBINGTON WAREHSES INC	New York Telephone
1950	MARK-TEX CORP DYE RESIST	New York Telephone
	CHELSEA PAPR PRODS CO	New York Telephone
1942	RODDIS PLYWOOD & DOOR CO	New York Telephone
1938	RODDIS PLYWOOD & DOOR CO	New York Telephone
	RODDIS LUMBR & VENEER CO	New York Telephone

### 516 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	PRIME CUT INC	NYNEX Telephone
	PROFESSIONAL PROJECTION	NYNEX Telephone
	PROJECTION INC	NYNEX Telephone
	NATIONAL ASSOCIATES	NYNEX Telephone
	ARISTA CUTTING CONTRACTORS	NYNEX Telephone
1993	S & A CASUALS INC	NYNEX Telephone
1988	BLADE RUNNER	NYNEX Telephone
	SMILE FABRIC CO INC	NYNEX Telephone
	S & A CASUALS INC	NYNEX Telephone
1983	S & A CASUALS INC	New York Telephone
	M & M ORIGINALS INC	New York Telephone
	HEADSUP MFG INC	New York Telephone
	ESBE FABRICS INC	New York Telephone
	CROWN PRINTS	New York Telephone
	AM -Q TEXTILES AND TRIMMINGS	New York Telephone
1978	SALEM LINING CO INC	New York Telephone
1973	SALEM LINING CO INC	New York Telephone
1968	DEBBIE-ANN INC	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	STRICKLAND A H	New York Telephone
	SMITH P F STL RULE DIES	New York Telephone

### 517 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	A & B SCHAUMANN LUMBER CORP	NYNEX Telephone
	COMMUNICATIONS TECHNOLOGY	NYNEX Telephone
	COMTECH	NYNEX Telephone
	FEDERAL FUNDING & FACTORS INC	NYNEX Telephone
	GREENWICH LIMOUSINE COMPANY INC OF NYC	NYNEX Telephone
	RAPID PARK INDUSTRIES	NYNEX Telephone
	TWO GUYS PIZZERIA INC	NYNEX Telephone
	WORLD WIDE COMTECH	NYNEX Telephone
	WORLDWIDE COMTECH LTD	NYNEX Telephone
	ZAKKA CORP	NYNEX Telephone
1993	JAVITS PIZZA INC	NYNEX Telephone
	LA LIMOUSINE	NYNEX Telephone
	ZAKKA CORP	NYNEX Telephone
1988	EXEC U RIDE LTD	NYNEX Telephone
	LA LIMOUSINE	NYNEX Telephone
	WALL LIMOUSINE SVCE LIMOUSINE SERVICE FOR ALL OCCASIONS	NYNEX Telephone
	ZAKKA CORP	NYNEX Telephone
1983	BATTERY CITY CAR SVCE	New York Telephone
	EXEC U RIDE LTD	New York Telephone
	EXECUIRIDE LTD	New York Telephone
	PFS LEASING COPR	New York Telephone
	WALL CHAUFFEURED LIM0SINE SVCE	New York Telephone
	WALL LIM0SINE SVCE	New York Telephone
1978	NORDA ESSENTIAL OILS & CHEMICAL COLNC	New York Telephone
1963	GENL HAULAGE CO	New York Telephone
	MAHER TRUCKING CO INC	New York Telephone
	MARLOF GARAGE CORP	New York Telephone
1958	GENL HAULAGE CO	New York Telephone
	MAHER TRUCKING CO INTC	New York Telephone
	MARLOF GARAGE CORP	New York Telephone
1956	GENL HAULAGE CO	New York Telephone
	MAHER TRUCKING CO INC	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	RAND JOS TRANSPTN CO	New York Telephone
	GENL HAULAGE CO	New York Telephone
	MHER TRUCKING CO INC	New York Telephone
	MARLO GARAGE CORP	New York Telephone
1947	GENL HAULAGE CO	New York Telephone
	MAHER TRUCKING CO INC	New York Telephone
	RAND JOS TRANSPTN CO	New York Telephone
1942	GENL HAULAGE CO	New York Telephone
	MAHER TRUCKING CO INC	New York Telephone
	RAND JOS TRANSPTN CO	New York Telephone
1938	MAHER B CO INC TRKMN	New York Telephone
	MARLOF GARAGE CORP	New York Telephone
	RYAN & BRIX AUTO REPRS	New York Telephone
	LOFTUS JOHN J JR TRUCKING INC	New York Telephone
1927	BRIX & RYAN AUTO REPRS	New York Telephone
	FIVE SEVENTEEN WEST 36TH ST GARAGE INC	New York Telephone
	STAR WOODWORKING CO	New York Telephone
	TANNENBAUM JACOB	New York Telephone

### 518 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	FORZIATI A INDRY	New York Telephone
	FORZIATI NEW SHIRT LAUNDRY	New York Telephone

### 520 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1988	MANHATTAN LAMINATES INC	NYNEX Telephone
1978	BWAY BOX CORP	New York Telephone
1973	BWAY BOX CORP	New York Telephone
	CREATIVE ART STATNRY CO	New York Telephone
	GREETING CARD MOUNTS INC	New York Telephone
	LIFT-SAVERS INC	New York Telephone
	MERIT LITHOGRAPHERS INC	New York Telephone
1968	BWAY BOX CORP	New York Telephone
	CREATIVE ART STATNRY CO	New York Telephone
	GREETING CARD MOUNTS INC	New York Telephone
	LIFT-SAVERS INC	New York Telephone
	MERIT LITHOGRAPHERS INS	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	CLOSURE SYSTMS INC	New York Telephone
	GREETING CARD MOUNTS INC	New York Telephone
	MERIT LITHOGRAPERS INC	New York Telephone
	CO	New York Telephone
	SERVWEL ENTERPRISES INC	New York Telephone
1958	BEEMARK CROWN SALES CORP	New York Telephone
	CROWN CONTAINER CO	New York Telephone
	GREETING CARD MOUNTS INC	New York Telephone
	HILDAN CROWN CONTAINER CORP	New York Telephone
	SKINNER S P CO INC IMPTRS OFFICE & SHOWROOM	New York Telephone
1956	ABBINGTON WAREHOUSES ING	New York Telephone
	ABINGTON WAREHOUSES INC	New York Telephone
	ABSOLUTE OIL SEPARATOR CORP	New York Telephone
	CROWN CONTAINER CO	New York Telephone
	CROWN SPECIALTIES CO	New York Telephone
	HILDAN CROWN CONTAINER CORP	New York Telephone
	SKINNER S P CO INC IMPTR	New York Telephone
1950	CROWN CONTAINER CO	New York Telephone
	CROWN SPECIALTIES CO	New York Telephone
	GOSSMAN CONTAINER CO INC BOXS	New York Telephone
	BARCLAY RECORDS INC	New York Telephone
1947	CROWN CONTAINER CO	New York Telephone
	HORN MERVIN RECORDS	New York Telephone
	HORN RECORD CORP	New York Telephone
1927	STEGE EDW A CO MUSIC ENGRVRS	New York Telephone

### 521 W 36 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1988	WEISS JERRY GERALD	NYNEX Telephone
	WIEDER KEN	NYNEX Telephone
1983	AN JEN TECHNICAL SVCE CORP	New York Telephone
	TECHNICAL COMFORT CORP	New York Telephone
	WEISS JERRY GERALD	New York Telephone
1968	MODERN AUTO RADIATR CO	New York Telephone
	MODERN AUTO RADIATR CO	New York Telephone
1963	MODERN AUTO RADIATR CO	New York Telephone
1958	CIRCLE QUILTERS INC	New York Telephone
	LEE DRESS CO	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1956	CIRCLE QUILTERS INC	New York Telephone
	LEE DRESS CO	New York Telephone
1950	KERAN GARRY	New York Telephone
	ATLAS BAGGAGE TRANSFER	New York Telephone
1947	ABC DIELECTRICS CO	New York Telephone
	DIAMOND METAL CO OFC	New York Telephone
1931	GLAVIANA ANNA	Manhattan and Bronx Directory Publishing Company Residential Directory
	GLAVIANO NICKLASS	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	CATTANI J CARTING	New York Telephone
	MEYER EDWARD WHSL MILK	New York Telephone

### W 36TH

#### 499 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Malloy John	Manhattan and Bronx Directory Publishing Company Residential Directory
	Moore Mary	Manhattan and Bronx Directory Publishing Company Residential Directory
	Moran Cath	Manhattan and Bronx Directory Publishing Company Residential Directory
	Blair Thos	Manhattan and Bronx Directory Publishing Company Residential Directory
	Blair Sarah	Manhattan and Bronx Directory Publishing Company Residential Directory
	Blair Mary	Manhattan and Bronx Directory Publishing Company Residential Directory
	Blair Margt	Manhattan and Bronx Directory Publishing Company Residential Directory
	Malloy Alce	Manhattan and Bronx Directory Publishing Company Residential Directory

#### 501 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Business Papers Adjustment Bureau	New York Telephone

#### 506 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Edwards Frank M	Manhattan and Bronx Directory Publishing Company Residential Directory
	Edwards Henrietta	Manhattan and Bronx Directory Publishing Company Residential Directory

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Pugliese Carlo	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Erker A M metal works	New York Telephone

### 508 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Fuqua J S	Manhattan and Bronx Directory Publishing Company Residential Directory
	Barne Luther J	Manhattan and Bronx Directory Publishing Company Residential Directory
	Crumb Chr	Manhattan and Bronx Directory Publishing Company Residential Directory
	Davis John	Manhattan and Bronx Directory Publishing Company Residential Directory

### 510 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Zoccoli Angelo	Manhattan and Bronx Directory Publishing Company Residential Directory

### 512 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Standard Player Hardware Co	New York Telephone
	Curran Supply Co stm sup	New York Telephone
	Chery Jos iron wk	New York Telephone

### 516 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Smith P F stl rule dies	New York Telephone
	Strickland A H	New York Telephone

### 517 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Tannenbaum Jacob	New York Telephone
	Star Woodworking Co	New York Telephone

### 518 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Forziati New Shirt Laundry	New York Telephone
	Forziati A Indry	New York Telephone

## FINDINGS

### 520 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Stege Edw A Co music engrvrs	New York Telephone

### 521 W 36TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Glaviana Anna	Manhattan and Bronx Directory Publishing Company Residential Directory
	Glaviano Nicklass	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Meyer Edward whsl milk	New York Telephone
	Cattani J carting	New York Telephone

### W 36TH ST

#### 501 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Hill-Donnelly Information Services

#### 506 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Just Do It Inc 2 S	Hill-Donnelly Information Services
2000	MOBILE VID & LIGHT	Cole Information Services
	JUST DO IT INC	Cole Information Services

#### 512 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Feature Systems Inc 2 s	Hill-Donnelly Information Services
2000	FEATURE SYST INC	Cole Information Services
	KITS & EXPENDABLES	Cole Information Services
1983	Feature Systems Inc	New York Telephone

#### 514 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	A Lot Of Vinyl 2 R	Hill-Donnelly Information Services
	Manhattan Neon Sign Corp	Hill-Donnelly Information Services
	Sign Logistics LLC	Hill-Donnelly Information Services
2000	A LOT OF VINYL	Cole Information Services
	A NN & MNHTTN VINYL	Cole Information Services
	MNHTTN NN SGN CRP	Cole Information Services
1983	Lobe R	New York Telephone
	Davis Doug	New York Telephone

## FINDINGS

### 515 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	h Highstein Jene	Hill-Donnelly Information Services
	National Acoustics Inc	Hill-Donnelly Information Services
	Highstein Jene Ov	Hill-Donnelly Information Services
2000	JENE HIGHSTEIN	Cole Information Services
	NTNL ACSTCS INC	Cole Information Services
1983	NATIONAL ACOUSTICS INC	New York Telephone

### 516 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Arista Cutting Contractors	Hill-Donnelly Information Services
	Communigraphic Services	Hill-Donnelly Information Services
	England Insurance Brokerage	Hill-Donnelly Information Services
	Greenwoods Associates	Hill-Donnelly Information Services
	James Banyon Printing Corp	Hill-Donnelly Information Services
	National Associates	Hill-Donnelly Information Services
	Tamberelli Video Video Rental	Hill-Donnelly Information Services
2000	ARISTA CUTTING	Cole Information Services
	MAGEE H L	Cole Information Services
1983	ARI CRAVATS INC	New York Telephone
	Am Q Textiles And Trimmings	New York Telephone
	Crown Prints	New York Telephone
	Esbe Fabrics Inc	New York Telephone
	Heads Up Mfg Inc	New York Telephone
	M & M Originals Inc	New York Telephone
	S & A Casuals Inc	New York Telephone

### 517 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Quadrille Realty I F	Hill-Donnelly Information Services
	Two Guys Pizzeria Inc IR	Hill-Donnelly Information Services
2000	FEDERAL FNCL GRP	Cole Information Services
	GLC LUXURY CAR SVC	Cole Information Services
	GRNWCH LIMO CO INC	Cole Information Services
	TWO GUYS PZA INC	Cole Information Services
	ZAKKA CORP	Cole Information Services
1983	BATTERY CITY CAR SVCE	New York Telephone
	Exec U Ride Ltd	New York Telephone
	Execuiride Ltd	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	PFS LEASING COPR	New York Telephone

### 518 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Preferred Media 10 o	Hill-Donnelly Information Services

### 519 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Pacho Andrew v	Hill-Donnelly Information Services
	Daniele Forsythe Photographer	Hill-Donnelly Information Services
	Antigravity Inc 2 s	Hill-Donnelly Information Services
	4 Play Media	Hill-Donnelly Information Services
	Rocknrolla Lola AV	Hill-Donnelly Information Services

### 521 W 36TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	An Jen Technical Svce Corp	New York Telephone
	Amzallag Serge	New York Telephone
	Technical Comfort Corp	New York Telephone

### West 36th Street

#### 515 West 36th Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Highstein Jene Ov	Hill-Donnelly Information Services
	h Highstein Jene	Hill-Donnelly Information Services
	National Acoustics Inc	Hill-Donnelly Information Services
2000	JENE HIGHSTEIN	Cole Information Services
	NTNL ACSTCS INC	Cole Information Services
1983	NATIONAL ACOUSTICS INC	New York Telephone

#### 517 West 36th Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Quadrille Realty I F	Hill-Donnelly Information Services
	Two Guys Pizzeria Inc IR	Hill-Donnelly Information Services
2000	GLC LUXURY CAR SVC	Cole Information Services
	FEDERAL FNCL GRP	Cole Information Services
	GRNWCH LIMO CO INC	Cole Information Services
	TWO GUYS PZA INC	Cole Information Services
	ZAKKA CORP	Cole Information Services

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	PFS LEASING COPR	New York Telephone
	BATTERY CITY CAR SVCE	New York Telephone
	Exec U Ride Ltd	New York Telephone
	Execuiride Ltd	New York Telephone
1927	Star Woodworking Co	New York Telephone
	Tannenbaum Jacob	New York Telephone

### 519 West 36th Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	4 Play Media	Hill-Donnelly Information Services
	Pacho Andrew v	Hill-Donnelly Information Services
	Daniele Forsythe Photographer	Hill-Donnelly Information Services
	Rocknrolla Lola AV	Hill-Donnelly Information Services
	Antigravity Inc 2 s	Hill-Donnelly Information Services

### 521 West 36th Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Technical Comfort Corp	New York Telephone
	Amzallag Serge	New York Telephone
	An Jen Technical Svce Corp	New York Telephone
1931	Glaviana Anna	Manhattan and Bronx Directory Publishing Company Residential Directory
	Glaviano Nicklass	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Cattani J carting	New York Telephone
	Meyer Edward whsl milk	New York Telephone

### 525 West 36th Street

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Hauf Volker	Hill-Donnelly Information Services
	h Lowit Roxanne a	Hill-Donnelly Information Services
2000	AFD	Cole Information Services
	C A BELCHER	Cole Information Services
	ANTONIO DA MOTTA	Cole Information Services
	MARK EDWARD	Cole Information Services
	JENE HIGHSTEIN	Cole Information Services
	RICHARD ZAKKA	Cole Information Services
1983	Dixie Tinsmith & Roofing Co	New York Telephone
	Dixie Ventfatg & Air Conditioning Co Inc	New York Telephone
	Dixie Ventlatg Co	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Boschen Iron Wks All Welding Inc	New York Telephone

## FINDINGS

### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

#### Address Researched

511 West 36th Street

#### Address Not Identified in Research Source

1998, 1996, 1993, 1988, 1983, 1934, 1931, 1927, 1923, 1920

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

#### Address Researched

464 10TH AVE

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1968, 1934, 1923, 1920

466 10TH AVE

2000, 1996, 1983, 1978, 1973, 1968, 1956, 1947, 1934, 1931, 1927, 1923, 1920

467 10TH AVE

2006, 2000, 1998, 1996, 1958, 1934, 1931, 1927, 1923, 1920

469 10TH AVE

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1968, 1963, 1958, 1956, 1950, 1942, 1938, 1934, 1931, 1923, 1920

499 W 36 ST

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920

499 W 36TH

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920

501 W 236 ST

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920

501 W 36 ST

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1942, 1938, 1934, 1931, 1923, 1920

501 W 36TH

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920

501 W 36TH ST

2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

502 W 36 ST

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

506 W 36 ST

2006, 2000, 1996, 1993, 1983, 1978, 1968, 1958, 1938, 1934, 1923, 1920

506 W 36TH

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1923, 1920

506 W 36TH ST

1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

507 W 36 ST

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1942, 1938, 1934, 1931, 1927, 1923, 1920

508 W 36 ST

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920

508 W 36TH

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920

509 W 36 ST

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

## FINDINGS

### Address Researched

### Address Not Identified in Research Source

510 W 36 ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
510 W 36TH	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
512 W 36 ST	2006, 2000, 1996, 1978, 1968, 1963, 1958, 1934, 1931, 1923, 1920
512 W 36TH	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
512 W 36TH ST	1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
513 West 36th Street	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
514 W 36 ST	2006, 2000, 1996, 1978, 1973, 1968, 1934, 1931, 1927, 1923, 1920
514 W 36TH ST	1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
515 W 236 ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
515 W 36 ST	2006, 2000, 1996, 1956, 1947, 1934, 1931, 1927, 1923, 1920
515 W 36TH ST	1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
515 West 36th Street	1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
516 W 36 ST	2006, 2000, 1996, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
516 W 36TH	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
516 W 36TH ST	1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
517 W 36 ST	2006, 2000, 1996, 1973, 1968, 1934, 1931, 1923, 1920
517 W 36TH	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
517 W 36TH ST	1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
517 West 36th Street	1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
518 W 36 ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
518 W 36TH	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
518 W 36TH ST	2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
519 W 36TH ST	2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
519 West 36th Street	2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
520 W 36 ST	2006, 2000, 1998, 1996, 1993, 1983, 1942, 1938, 1934, 1931, 1923, 1920

## FINDINGS

### **Address Researched**

520 W 36TH

521 W 36 ST

521 W 36TH

521 W 36TH ST

521 West 36th Street

523 West 36th Street

525 West 36th Street

### **Address Not Identified in Research Source**

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920

2006, 2000, 1998, 1996, 1993, 1978, 1973, 1942, 1938, 1934, 1923, 1920

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1923, 1920

2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1923, 1920

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

APPENDIX E  
DATABASE SEARCH RESULTS

**511-515, 517-519 & 521-525 West 36th St, NYC**

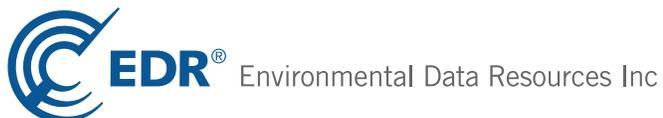
511 West 36th Street

New York, NY 10018

Inquiry Number: 3351061.2s

June 25, 2012

## The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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*Thank you for your business.*  
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with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

511 WEST 36TH STREET  
NEW YORK, NY 10018

#### COORDINATES

Latitude (North): 40.7561000 - 40° 45' 21.96"  
Longitude (West): 73.9987000 - 73° 59' 55.32"  
Universal Transverse Mercator: Zone 18  
UTM X (Meters): 584523.4  
UTM Y (Meters): 4511953.0  
Elevation: 37 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40073-G8 CENTRAL PARK, NY  
Most Recent Revision: 1995

South Map: 40073-F8 BROOKLYN, NY  
Most Recent Revision: 1995

Southwest Map: 40074-F1 JERSEY CITY, NJ  
Most Recent Revision: 1981

West Map: 40074-G1 WEEHAWKEN, NJ  
Most Recent Revision: 1995

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2009, 2010  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
LOT 22,TAXBLOCK 708 517 WEST 36 STREET MANHATTAN, NY 10018	NY E DESIGNATION	N/A
LOT 24,TAXBLOCK 708 513 WEST 36 STREET MANHATTAN, NY 10018	NY E DESIGNATION	N/A

## EXECUTIVE SUMMARY

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

#### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

#### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

#### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

#### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

#### ***State- and tribal - equivalent CERCLIS***

NY SHWS..... Inactive Hazardous Waste Disposal Sites in New York State  
NJ SHWS..... Known Contaminated Sites in New Jersey  
NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

#### ***State and tribal landfill and/or solid waste disposal site lists***

NJ SWF/LF..... Solid Waste Facility Directory

#### ***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

#### ***State and tribal registered storage tank lists***

NJ UST..... Underground Storage Tank Data

## EXECUTIVE SUMMARY

NY MOSF UST..... Major Oil Storage Facilities Database  
NY MOSF AST..... Major Oil Storage Facilities Database  
NY MOSF..... Major Oil Storage Facility Site Listing  
INDIAN UST..... Underground Storage Tanks on Indian Land  
FEMA UST..... Underground Storage Tank Listing

### ***State and tribal institutional control / engineering control registries***

NJ ENG CONTROLS..... Declaration Environmental Restriction/Deed Notice Sites  
NJ INST CONTROL..... Classification Exception Area Sites

### ***State and tribal voluntary cleanup sites***

NJ VCP..... Voluntary Cleanup Program Sites  
INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

NY ERP..... Environmental Restoration Program Listing  
NJ BROWNFIELDS..... Brownfields Database

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
NY SWRCY..... Registered Recycling Facility List  
NY SWTIRE..... Registered Waste Tire Storage & Facility List  
NJ SWRCY..... Approved Class B Recycling Facilities  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

### ***Local Lists of Hazardous waste / Contaminated Sites***

US CDL..... Clandestine Drug Labs  
NY DEL SHWS..... Delisted Registry Sites  
US HIST CDL..... National Clandestine Laboratory Register

### ***Local Land Records***

LIENS 2..... CERCLA Lien Information  
LUCIS..... Land Use Control Information System  
NY LIENS..... Spill Liens Information  
NJ LIENS..... Environmental LIENS

### ***Records of Emergency Release Reports***

HMIRS..... Hazardous Materials Information Reporting System

### ***Other Ascertainable Records***

DOT OPS..... Incident and Accident Data

## EXECUTIVE SUMMARY

DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
UMTRA.....	Uranium Mill Tailings Sites
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
NY HSWDS.....	Hazardous Substance Waste Disposal Site Inventory
NY UIC.....	Underground Injection Control Wells
NJ UIC.....	Underground Injection Wells Database
NJ DRYCLEANERS.....	Drycleaner List
NY NPDES.....	State Pollutant Discharge Elimination System
NJ NPDES.....	New Jersey Pollutant Discharge Elimination System Dischargers
NY AIRS.....	Air Emissions Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
NY COAL ASH.....	Coal Ash Disposal Site Listing
NY FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
2020 CORRECTIVE ACTION.....	2020 Corrective Action Program List
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
NJ FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
NJ COAL ASH.....	Coal Ash Listing
EPA WATCH LIST.....	EPA WATCH LIST

### EDR PROPRIETARY RECORDS

#### ***EDR Proprietary Records***

EDR Historical Auto Stations.. EDR Proprietary Historic Gas Stations  
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 05/08/2012 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.390 mi.)</b>	<b>0</b>	<b>14</b>

#### ***Federal CERCLIS list***

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 12/27/2011 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.390 mi.)</b>	<b>0</b>	<b>14</b>

#### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 12/28/2011 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MANHATTAN GENERAL MAIL FACILIT	WEST 29TH & 9TH AVE	S 1/4 - 1/2 (0.405 mi.)	372	1543

## EXECUTIVE SUMMARY

### ***Federal RCRA generators list***

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/15/2012 has revealed that there are 4 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROCKROSE GC MWB LLC	505 W 37TH ST	NE 0 - 1/8 (0.051 mi.)	D46	202

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>MEUSHAR 34TH STREET LLC</i></b>	<b><i>555 W 34TH ST</i></b>	<b><i>WSW 1/8 - 1/4 (0.157 mi.)</i></b>	<b><i>AD253</i></b>	<b><i>967</i></b>
<b><i>PORT AUTHORITY LINCOLN TUNNEL</i></b>	<b><i>39TH AND 11TH AVE</i></b>	<b><i>NNW 1/8 - 1/4 (0.200 mi.)</i></b>	<b><i>275</i></b>	<b><i>1053</i></b>
<b><i>NYCT - MICHAEL J. QUILL BUS DE</i></b>	<b><i>525 11TH AVE</i></b>	<b><i>N 1/8 - 1/4 (0.240 mi.)</i></b>	<b><i>AX317</i></b>	<b><i>1220</i></b>

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/15/2012 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>B P PRODUCTS NORTH AMERICA INC</i></b>	<b><i>466 10TH AVE</i></b>	<b><i>ESE 0 - 1/8 (0.030 mi.)</i></b>	<b><i>B14</i></b>	<b><i>76</i></b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>ORSAP TAXI REPAIR</i></b>	<b><i>556 W 37TH ST</i></b>	<b><i>NNW 0 - 1/8 (0.096 mi.)</i></b>	<b><i>O118</i></b>	<b><i>434</i></b>
<b><i>REMCO MAINTENANCE CORP</i></b>	<b><i>500 TENTH AVE</i></b>	<b><i>NE 0 - 1/8 (0.105 mi.)</i></b>	<b><i>R154</i></b>	<b><i>550</i></b>
<b><i>A S I SIGN SYSTEMS INC</i></b>	<b><i>500 10TH AVE 6TH FLOOR</i></b>	<b><i>NE 0 - 1/8 (0.105 mi.)</i></b>	<b><i>R156</i></b>	<b><i>567</i></b>
<b><i>MTA NYCT - 460 WEST 34TH STREE</i></b>	<b><i>460 W 34TH ST 6TH FLOOR</i></b>	<b><i>SSE 1/8 - 1/4 (0.134 mi.)</i></b>	<b><i>AC226</i></b>	<b><i>824</i></b>
<b><i>OTIS ELEVATOR</i></b>	<b><i>515 W 33RD ST</i></b>	<b><i>SSW 1/8 - 1/4 (0.154 mi.)</i></b>	<b><i>AH248</i></b>	<b><i>936</i></b>
<b><i>MTA LIRR - WEST SIDE YARD</i></b>	<b><i>401 10TH AVE</i></b>	<b><i>SSW 1/8 - 1/4 (0.156 mi.)</i></b>	<b><i>AI249</i></b>	<b><i>949</i></b>
<b><i>S3 II TUNNEL CONSTRUCTORS JOIN</i></b>	<b><i>555 W 34TH ST - #7 LINE</i></b>	<b><i>WSW 1/8 - 1/4 (0.157 mi.)</i></b>	<b><i>AD261</i></b>	<b><i>1017</i></b>

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/15/2012 has revealed that there are

## EXECUTIVE SUMMARY

5 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEW YORK TRANSIT AUTH	560 TENTH AVE	NE 0 - 1/8 (0.105 mi.)	R155	566
<b>GRUMBACHER INC</b>	<b>460 W 34TH ST</b>	<b>SSE 1/8 - 1/4 (0.134 mi.)</b>	<b>AC223</b>	<b>816</b>
<b>MERCEDES BENZ MANHATTAN INC</b>	<b>528 W 39TH ST</b>	<b>NNE 1/8 - 1/4 (0.144 mi.)</b>	<b>AF236</b>	<b>893</b>
<b>MERCEDES-BENZ MANHATTAN INC</b>	<b>528 W 41ST ST</b>	<b>NNE 1/8 - 1/4 (0.247 mi.)</b>	<b>BA331</b>	<b>1344</b>
CON EDISON	W 39TH ST & 9TH AVE	E 1/8 - 1/4 (0.248 mi.)	AY336	1368

### ***Federal institutional controls / engineering controls registries***

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 12/30/2011 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.390 mi.)</b>	<b>0</b>	<b>14</b>

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 12/30/2011 has revealed that there is 1 US INST CONTROL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.390 mi.)</b>	<b>0</b>	<b>14</b>

### ***State and tribal landfill and/or solid waste disposal site lists***

NY SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the NY SWF/LF list, as provided by EDR, and dated 04/11/2012 has revealed that there are 2 NY SWF/LF sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RED BALL INTERIOR DEMOLITION	625 WEST 29 STREET	WSW 1/4 - 1/2 (0.394 mi.)	366	1491
<b>CON EDISON-W 28TH STREET</b>	<b>281 11TH AVENUE</b>	<b>WSW 1/4 - 1/2 (0.439 mi.)</b>	<b>378</b>	<b>1557</b>

# Appendix B











# Appendix C



# Hydro Tech Environmental, Corp.

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## Soil Probe Log

Job No: 140145	Date: 9/3/14	Page: 1 of 1
Location: 511-525 West 36th Street Manhattan, NY	Sampling Interval: 2 ft	Sampling Method: Grab
Boring No.: SP-1	Driller: Zico	Depth to Water: N/A
Drilling Method: Direct Push		
Total Depth: 22 ft		

### USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brown fine grained sand and pebbles
-2	0.0	SP	Brown fine grained sand and pebbles
-4	0.0	SP	Brown fine grained sand and pebbles
-6	0.0	SP	
-8	0.0	SP	Brown fine grained sand and pebbles
-10	0.0	SP	Brown fine grained sand and pebbles
-12	0.0	SP	Brown fine grained sand and pebbles
-14	0.0	SP	Brown medium grained soil and pebbles

-16	0.0	SP	Brown medium grained soil and pebbles
-18	0.0	SP	Brown medium grained soil and pebbles
-20	0.0	SP	Brown granular sand, bedrock
-22			

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# Soil Probe Log

Job No: 140145

Date: 9/3/14

Page: 1 of 1

Location: 511-525 West 36th Street  
 Manhattan, NY

Sampling Interval: 2 ft  
 Sampling Method: Grab

Boring No.: SP-2

Driller: Zico

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 10 ft

### USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brick fill, fine grained compacted sand
-2	0.0	SP	Brick fill, fine grained compacted sand
-4	0.0	SP	Brick fill, fine grained compacted sand
-6	0.0	SP	
-8	0.0	SP	Brick fill, fine grained compacted sand
-10			



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## Soil Probe Log

Job No: 140145	Date: 9/3/14	Page: 1 of 1
Location: 511-525 West 36th Street Manhattan, NY	Sampling Interval: 2 ft	Sampling Method: Grab
Boring No.: SP-3	Driller: Zico	Depth to Water: N/A
Drilling Method: Direct Push		
Total Depth: 6 ft		

### USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brick fill, fine grained compacted sand
-2	0.0	SP	Brick fill, fine grained compacted sand
-4	0.0	SP	Brick fill, fine grained compacted sand
-6			



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## Soil Probe Log

Job No: 140145	Date: 9/3/14	Page: 1 of 1
Location: 511-525 West 36th Street Manhattan, NY		Sampling Interval: 2 ft
Boring No.: SP-4		Sampling Method: Grab
Drilling Method: Direct Push		Driller: Zico
Total Depth: 6 ft		Depth to Water: N/A

### USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brick fill, fine grained compacted sand
-2	0.0	SP	Brick fill, fine grained compacted sand
-4	0.0	SP	Brick fill, fine grained compacted sand
-6			



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## Soil Probe Log

Job No: 140145

Date: 9/3/14

Page: 1 of 1

Location: 511-525 West 36th Street  
 Manhattan, NY

Sampling Interval: 2 ft  
 Sampling Method: Grab

Boring No.: SP-5

Driller: Zico

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 6 ft

### USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Brick fill, fine grained compacted sand
-2	0.0	SP	Brick fill, fine grained compacted sand
-4	0.0	SP	Brick fill, fine grained compacted sand
-6			



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## Soil Probe Log

Job No: 140145	Date: 9/11/14	Page: 1 of 1
Location: 511-525 West 36th Street Manhattan, NY		Sampling Interval: 2 ft
Boring No.: SP-6		Sampling Method: Grab
Drilling Method: Direct Push		Driller: Zico
Total Depth: 12 ft		Depth to Water: N/A

### USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Asphalt fill, light brown lossely compacted sand, pebbles
-2	0.0	SP	Asphalt fill, light brown lossely compacted sand, pebbles
-4	0.0	SP	Asphalt fill, light brown lossely compacted sand, pebbles
-6	0.0	SP	
-8	0.0	SP	Brown medium grained sand
-10	0.0	SP	Brown medium grained sand, bedrock
-12			



# Hydro Tech Environmental, Corp.

Main Office

2171 Jericho Turnpike, Suite 240  
 Commack, New York 11725  
 T (631) 462-5866 · F (631) 462-5877  
 www.hydrotechenvironmental.com

NYC Office

1111 Fulton Street, 2nd Floor  
 Brooklyn, New York 11238  
 T (718) 636-0800 · F (718) 636-0900

## Soil Probe Log

Job No: 140145	Date: 9/11/14	Page: 1 of 1
Location: 511-525 West 36th Street Manhattan, NY		Sampling Interval: 2 ft
Boring No.: SP-7		Sampling Method: Grab
Drilling Method: Direct Push		Driller: Zico
Total Depth: 18 ft		Depth to Water: N/A

### USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	Asphalt fill, light brown lossely compacted sand, pebbles
-2	0.0	SP	Asphalt fill, light brown lossely compacted sand, pebbles
-4	0.0	SP	Asphalt fill, light brown lossely compacted sand, pebbles
-6	0.0	SP	
-8	0.0	SP	Brown medium grained sand
-10	0.0	SP	Brown medium grained sand
-12			



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## Soil Probe Log

Job No: 140145	Date: 9/12/14	Page: 1 of 1
Location: 511-525 West 36th Street Manhattan, NY	Sampling Interval: 2 ft	Sampling Method: Grab
Boring No.: SP-8	Driller: Zico	Depth to Water: N/A
Drilling Method: Direct Push		
Total Depth: 14 ft		

### USCS SYMBOLS

GW - Well Graded Gravel	SW - Well Graded Sand	ML - Inorganic Silt / Sandy Silt	CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel	SP - Poorly Graded Sand	CL - Inorganic Clays/Sandy Clay	OH - Organic Silt / Clay
GM - Silty Gravel	SM - Silty Sand	OL - Inorganic Silts/Organic Silty Clay	PT - Peat/High Organics
GC - Clayey Gravel	SC - Clayey Sand	MH - Elastic Silts	

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
---------------------------------	-------------------	------	------------------

0	0.0	SP	<del>Concrete fill, fine brown sand</del>
-2	0.0	SP	Brown medium grained sand
-4	0.0	SP	Brown medium grained sand
-6	0.0	SP	
-8	0.0	SP	Brown medium grained sand
-10	0.0	SP	Brown medium grained sand
-12	0.0	SP	Fine light brown sand
-14			

# Appendix D



# HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:  
 77 ARKAY DRIVE, SUITE G  
 HAUPPAUGE, NEW YORK 11788  
 PHONE: (631) 462-5866 FAX: (631) 462-5877

NYC OFFICE:  
 15 OCEAN AVENUE, SECOND FLOOR  
 BROOKLYN, NEW YORK 11238

# WELL CONSTRUCTION LOG

Job No: 140145 Date: 09-03-2014 Page: 1 OF 1

Location: 525 WEST 36th STREET, MANHATTAN NY

Well Number: <u>MW-1</u>	Screen Size: <u>0.010"</u>
Drilling Method: <u>DIRECT PUSH</u>	Screen Interval: <u>20.00'</u>
Total Depth: <u>30.00'</u>	Diameter: <u>1"</u>
Depth to Water: <u>12.20'</u>	Riser Length: <u>10.00'</u>
Manhole Size: <u>5"</u>	Sand Size: <u>#2</u>

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2		<p style="font-size: small; margin: 0;">             NATIVE SOIL (0' - 9.00')              Riser (0' - 10.00')              Bentonite Seal (9.00' - 10.00')              #2 SAND (10.00' - 30.00')              Screening (10.00' - 30.00')           </p>	5" Manhole Cover.
4			0' - 9.00' - Native Soil.
6			9.00' - 10.00' - Bentonite Seal.
8			10.00' - 30.00' - #2 Sand.
10			0' - 10.00' - Riser
12			10.00' - 30.00' - Screen
14			
16			
18			
20			
22			
24			
26			
28			
30			
32			
34			
36			

DRILLER: OSCAR  
 GEOLOGIST: ERICA



# HYDRO TECH ENVIRONMENTAL CORP.

**MAIN OFFICE:**  
 77 ARKAY DRIVE, SUITE G  
 HAUPPAUGE, NEW YORK 11788  
 PHONE: (631) 462-5866 FAX: (631) 462-5877

**NYC OFFICE:**  
 15 OCEAN AVENUE, SECOND FLOOR  
 BROOKLYN, NEW YORK 11238

## WELL CONSTRUCTION LOG

Job No: 140145 Date: 09-03-2014 Page: 1 OF 1

Location: 525 WEST 36th STREET, MANHATTAN NY

Well Number: MW-2 Screen Size: 0.010"

Drilling Method: DIRECT PUSH Screen Interval: 20.00'

Total Depth: 30.00' Diameter: 1"

Depth to Water: 11.60' Riser Length: 10.00'

Manhole Size: 5" Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2		<p style="font-size: small; margin: 0;">             The diagram shows a cross-section of the well. From the surface down to 9.00 feet, it is labeled 'NATIVE SOIL'. From 9.00 to 10.00 feet, it is a 'Bentonite Seal'. From 10.00 to 30.00 feet, it consists of '#2 SAND' with a 'Riser' in the center. The riser has a 'Screening' section from 10.00 to 30.00 feet. Another 'Bentonite Seal' is shown at the bottom of the riser at 10.00 feet.           </p>	<p>5" Manhole Cover.</p> <p>0'-9.00' - Native Soil.</p> <p>9.00'-10.00' - Bentonite Seal.</p> <p>10.00'-30.00' - #2 Sand.</p> <p>0'-10.00' - Riser</p> <p>10.00'-30.00' - Screen</p>
4			
6			
8			
10			
12			
14			
16			
18			
20			
22			
24			
26			
28			
30			
32			
34			
36			

DRILLER: OSCAR  
 GEOLOGIST: ERICA

# Appendix E



# Appendix F



# Technical Report

prepared for:

## **Hydro Tech Environmental (Brooklyn)**

15 Ocean Avenue

Brooklyn NY, 11225

**Attention: Erica Johnston**

Report Date: 09/12/2014

**Client Project ID: 140145**

York Project (SDG) No.: 14I0350

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/12/2014  
Client Project ID: 140145  
York Project (SDG) No.: 14I0350

**Hydro Tech Environmental (Brooklyn)**

15 Ocean Avenue  
Brooklyn NY, 11225  
Attention: Erica Johnston

---

**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 September 08, 2014 and listed below. The project was identified as your project: **140145**.

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14I0350-01	SP-1 (0-2)	Soil	09/03/2014	09/08/2014
14I0350-02	SP-2 (0-2)	Soil	09/04/2014	09/08/2014
14I0350-03	SP-3 (0-2)	Soil	09/05/2014	09/08/2014
14I0350-04	SP-4 (0-2)	Soil	09/05/2014	09/08/2014
14I0350-05	SP-5 (0-2)	Soil	09/05/2014	09/08/2014
14I0350-06	SP-1 (20-22)	Soil	09/03/2014	09/08/2014
14I0350-07	SP-2 (6-8)	Soil	09/04/2014	09/08/2014
14I0350-08	SP-3 (4-6)	Soil	09/05/2014	09/08/2014
14I0350-09	SP-4 (4-6)	Soil	09/05/2014	09/08/2014
14I0350-10	SP-5 (4-6)	Soil	09/05/2014	09/08/2014

## **General Notes for York Project (SDG) No.: 14I0350**

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:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 09/12/2014





### Sample Information

**Client Sample ID:** SP-1 (0-2)

**York Sample ID:** 14I0350-01

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	42	84	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
67-64-1	Acetone	ND		ug/kg dry	2.1	8.4	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
71-43-2	Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS



### Sample Information

**Client Sample ID:** SP-1 (0-2)

**York Sample ID:** 14I0350-01

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.1	8.4	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.1	8.4	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.2	8.4	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
100-42-5	Styrene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
108-88-3	Toluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.3	13	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.1	4.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:29	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	104 %		75-127							
2037-26-5	Surrogate: Toluene-d8	107 %		90-112							



## Sample Information

**Client Sample ID:** SP-1 (0-2)

**York Sample ID:** 14I0350-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 3, 2014 3:00 pm

09/08/2014

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
62-53-3	Aniline	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
120-12-7	Anthracene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>157</b>	J	ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>73.5</b>	J	ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>70.3</b>	J	ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>91.0</b>	J	ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
218-01-9	<b>Chrysene</b>	<b>157</b>	J	ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	273	544	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	273	545	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH



### Sample Information

**Client Sample ID:** SP-1 (0-2)

**York Sample ID:** 14I0350-01

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
206-44-0	<b>Fluoranthene</b>	<b>303</b>		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
86-73-7	Fluorene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
78-59-1	Isophorone	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
91-20-3	Naphthalene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	137	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
85-01-8	<b>Phenanthrene</b>	<b>227</b>	J	ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
108-95-2	Phenol	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
129-00-0	<b>Pyrene</b>	<b>282</b>		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
110-86-1	Pyridine	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	68.6	272	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:23	KH

	<b>Surrogate Recoveries</b>	<b>Result</b>	<b>Acceptance Range</b>
367-12-4	Surrogate: 2-Fluorophenol	16.7 %	10-105
4165-62-2	Surrogate: Phenol-d5	36.1 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	11.9 %	10-140



### Sample Information

**Client Sample ID:** SP-1 (0-2)

**York Sample ID:** 14I0350-01

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	33.9 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	41.4 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	50.5 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
309-00-2	Aldrin	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
57-74-9	Chlordane, total	ND		ug/kg dry	108	108	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
72-20-8	Endrin	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.70	2.70	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.5	13.5	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW
8001-35-2	Toxaphene	ND		ug/kg dry	136	136	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:19	JW

Surrogate Recoveries	Result	Acceptance Range
877-09-8 Surrogate: Tetrachloro-m-xylene	74.3 %	30-140
2051-24-3 Surrogate: Decachlorobiphenyl	84.5 %	30-140



### Sample Information

**Client Sample ID:** SP-1 (0-2)

**York Sample ID:** 14I0350-01

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0272	0.0272	1	EPA 8082A	09/10/2014 15:00	09/11/2014 20:35	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0272	0.0272	1	EPA 8082A	09/10/2014 15:00	09/11/2014 20:35	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0272	0.0272	1	EPA 8082A	09/10/2014 15:00	09/11/2014 20:35	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0272	0.0272	1	EPA 8082A	09/10/2014 15:00	09/11/2014 20:35	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0272	0.0272	1	EPA 8082A	09/10/2014 15:00	09/11/2014 20:35	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0272	0.0272	1	EPA 8082A	09/10/2014 15:00	09/11/2014 20:35	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0272	0.0272	1	EPA 8082A	09/10/2014 15:00	09/11/2014 20:35	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0272	0.0272	1	EPA 8082A	09/10/2014 15:00	09/11/2014 20:35	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	88.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	71.0 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>7910</b>		mg/kg dry	1.09	1.09	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-36-0	Antimony	ND		mg/kg dry	0.545	0.545	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-38-2	<b>Arsenic</b>	<b>2.20</b>		mg/kg dry	1.09	1.09	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-39-3	<b>Barium</b>	<b>71.4</b>		mg/kg dry	1.09	1.09	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.327	0.327	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-70-2	<b>Calcium</b>	<b>2440</b>		mg/kg dry	0.545	5.45	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-47-3	<b>Chromium</b>	<b>16.7</b>		mg/kg dry	0.545	0.545	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-48-4	<b>Cobalt</b>	<b>5.36</b>		mg/kg dry	0.545	0.545	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-50-8	<b>Copper</b>	<b>31.0</b>		mg/kg dry	0.545	0.545	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7439-89-6	<b>Iron</b>	<b>13200</b>		mg/kg dry	2.18	2.18	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7439-92-1	<b>Lead</b>	<b>42.8</b>		mg/kg dry	0.327	0.327	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7439-95-4	<b>Magnesium</b>	<b>2500</b>		mg/kg dry	5.45	5.45	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7439-96-5	<b>Manganese</b>	<b>159</b>		mg/kg dry	0.545	0.545	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-02-0	<b>Nickel</b>	<b>14.7</b>		mg/kg dry	0.545	0.545	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-09-7	<b>Potassium</b>	<b>1280</b>		mg/kg dry	5.45	5.45	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7782-49-2	Selenium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-22-4	Silver	ND		mg/kg dry	0.545	0.545	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-23-5	<b>Sodium</b>	<b>190</b>		mg/kg dry	10.9	10.9	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW
7440-62-2	<b>Vanadium</b>	<b>19.0</b>		mg/kg dry	1.09	1.09	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW



### Sample Information

**Client Sample ID:** SP-1 (0-2) **York Sample ID:** 14I0350-01  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 3, 2014 3:00 pm **Date Received** 09/08/2014

#### Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	39.2		mg/kg dry	1.09	1.09	1	EPA 6010C	09/10/2014 15:03	09/10/2014 17:53	MW

#### Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0894		mg/kg dry	0.0327	0.0327	1	EPA 7473	09/10/2014 11:40	09/10/2014 14:48	ALD

#### Total Solids

Sample Prepared by Method: % Solids Prep

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.8		%	0.100	0.100	1	SM 2540G	09/10/2014 18:13	09/11/2014 14:27	KK

#### Chromium, Hexavalent

Sample Prepared by Method: EPA SW846-3060

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.381	0.545	1	EPA 7196A	09/12/2014 08:15	09/12/2014 16:31	SC

#### Chromium, Trivalent

Sample Prepared by Method: EPA SW846-3060

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.3		mg/kg	0.250	0.500	1	Calculation	09/12/2014 16:33	09/12/2014 16:39	SC

### Sample Information

**Client Sample ID:** SP-2 (0-2) **York Sample ID:** 14I0350-02  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 4, 2014 3:00 pm **Date Received** 09/08/2014

#### Volatile Organics, 8260 List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS



### Sample Information

**Client Sample ID:** SP-2 (0-2)

**York Sample ID:** 14I0350-02

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14I0350	140145	Soil	September 4, 2014 3:00 pm	09/08/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	40	81	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
67-64-1	<b>Acetone</b>	<b>5.2</b>	Cal-E, J	ug/kg dry	2.0	8.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
71-43-2	Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
75-25-2	Bromoform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
67-66-3	Chloroform	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS



### Sample Information

**Client Sample ID:** SP-2 (0-2)

**York Sample ID:** 14I0350-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 4, 2014 3:00 pm

09/08/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.0	8.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.0	8.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.0	8.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
100-42-5	Styrene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
108-88-3	Toluene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.0	12	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.0	4.0	1	EPA 8260C	09/11/2014 14:50	09/12/2014 04:58	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	98.8 %		75-127							
2037-26-5	Surrogate: Toluene-d8	103 %		90-112							



### Sample Information

**Client Sample ID:** SP-2 (0-2)

**York Sample ID:** 14I0350-02

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	407	J	ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
62-53-3	Aniline	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
120-12-7	Anthracene	877		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
56-55-3	Benzo(a)anthracene	1300		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
50-32-8	Benzo(a)pyrene	377	J	ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
205-99-2	Benzo(b)fluoranthene	514	J	ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
191-24-2	Benzo(g,h,i)perylene	294	ISTD-L O, J	ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
207-08-9	Benzo(k)fluoranthene	424	J	ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
218-01-9	Chrysene	1210		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
53-70-3	Dibenzo(a,h)anthracene	ND	ISTD-L O	ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
132-64-9	Dibenzofuran	306	J	ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	577	1150	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	577	1150	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH



### Sample Information

**Client Sample ID:** SP-2 (0-2)

**York Sample ID:** 14I0350-02

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
206-44-0	<b>Fluoranthene</b>	<b>2590</b>		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
86-73-7	<b>Fluorene</b>	<b>399</b>	J	ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>293</b>	ISTD-L O, J	ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
78-59-1	Isophorone	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>152</b>	J	ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
91-20-3	<b>Naphthalene</b>	<b>166</b>	J	ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	290	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
85-01-8	<b>Phenanthrene</b>	<b>2800</b>		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
108-95-2	Phenol	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
129-00-0	<b>Pyrene</b>	<b>2870</b>		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
110-86-1	Pyridine	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	145	576	2	EPA 8270D	09/10/2014 18:00	09/11/2014 13:54	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: 2-Fluorophenol	16.7 %		10-105							
4165-62-2	Surrogate: Phenol-d5	41.4 %		10-118							



### Sample Information

**Client Sample ID:** SP-2 (0-2)

**York Sample ID:** 14I0350-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 4, 2014 3:00 pm

09/08/2014

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: Nitrobenzene-d5	13.0 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	34.2 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	35.4 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	57.1 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
309-00-2	Aldrin	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
57-74-9	Chlordane, total	ND		ug/kg dry	114	114	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
72-20-8	Endrin	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.85	2.85	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
72-43-5	Methoxychlor	ND		ug/kg dry	14.3	14.3	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
8001-35-2	Toxaphene	ND		ug/kg dry	144	144	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:34	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.7 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	86.0 %			30-140						



### Sample Information

**Client Sample ID:** SP-2 (0-2)

**York Sample ID:** 14I0350-02

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0288	0.0288	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:04	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0288	0.0288	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:04	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0288	0.0288	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:04	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0288	0.0288	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:04	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0288	0.0288	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:04	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0288	0.0288	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:04	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0288	0.0288	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:04	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0288	0.0288	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:04	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	76.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	62.5 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>4300</b>		mg/kg dry	1.15	1.15	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-36-0	Antimony	ND		mg/kg dry	0.576	0.576	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-38-2	<b>Arsenic</b>	<b>4.52</b>		mg/kg dry	1.15	1.15	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-39-3	<b>Barium</b>	<b>393</b>		mg/kg dry	1.15	1.15	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.346	0.346	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-70-2	<b>Calcium</b>	<b>62000</b>		mg/kg dry	0.576	5.76	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-47-3	<b>Chromium</b>	<b>18.1</b>		mg/kg dry	0.576	0.576	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-48-4	<b>Cobalt</b>	<b>3.85</b>		mg/kg dry	0.576	0.576	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-50-8	<b>Copper</b>	<b>18.0</b>		mg/kg dry	0.576	0.576	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7439-89-6	<b>Iron</b>	<b>10100</b>		mg/kg dry	2.30	2.30	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7439-92-1	<b>Lead</b>	<b>1590</b>		mg/kg dry	0.346	0.346	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7439-95-4	<b>Magnesium</b>	<b>2970</b>		mg/kg dry	5.76	5.76	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7439-96-5	<b>Manganese</b>	<b>169</b>		mg/kg dry	0.576	0.576	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-02-0	<b>Nickel</b>	<b>15.2</b>		mg/kg dry	0.576	0.576	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-09-7	<b>Potassium</b>	<b>1380</b>		mg/kg dry	5.76	5.76	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7782-49-2	Selenium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-22-4	Silver	ND		mg/kg dry	0.576	0.576	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-23-5	<b>Sodium</b>	<b>286</b>		mg/kg dry	11.5	11.5	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW
7440-62-2	<b>Vanadium</b>	<b>19.0</b>		mg/kg dry	1.15	1.15	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW



### Sample Information

<b>Client Sample ID:</b> SP-2 (0-2)					<b>York Sample ID:</b> 14I0350-02
<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2014 3:00 pm	<u>Date Received</u> 09/08/2014	

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	158		mg/kg dry	1.15	1.15	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:11	MW

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	2.20		mg/kg dry	0.0346	0.0346	1	EPA 7473	09/10/2014 11:40	09/10/2014 14:57	ALD

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.8		%	0.100	0.100	1	SM 2540G	09/10/2014 18:13	09/11/2014 14:27	KK

#### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.403	0.576	1	EPA 7196A	09/12/2014 08:15	09/12/2014 16:31	SC

#### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.7		mg/kg	0.250	0.500	1	Calculation	09/12/2014 16:33	09/12/2014 16:39	SC

### Sample Information

<b>Client Sample ID:</b> SP-3 (0-2)					<b>York Sample ID:</b> 14I0350-03
<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014	

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS



### Sample Information

**Client Sample ID:** SP-3 (0-2)

**York Sample ID:** 14I0350-03

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	31	62	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
67-64-1	Acetone	ND		ug/kg dry	1.5	6.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
71-43-2	Benzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
67-66-3	Chloroform	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS



### Sample Information

**Client Sample ID:** SP-3 (0-2)

**York Sample ID:** 14I0350-03

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
75-09-2	Methylene chloride	ND		ug/kg dry	1.5	6.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.5	6.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.1	6.2	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
100-42-5	Styrene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
108-88-3	Toluene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.6	9.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:27	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %	67-130
460-00-4	Surrogate: p-Bromofluorobenzene	99.6 %	75-127
2037-26-5	Surrogate: Toluene-d8	100 %	90-112



### Sample Information

**Client Sample ID:** SP-3 (0-2)

**York Sample ID:** 14I0350-03

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
62-53-3	Aniline	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
120-12-7	<b>Anthracene</b>	<b>92.1</b>	J	ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>210</b>	J	ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>103</b>	J	ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>109</b>	J	ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>116</b>	J	ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
218-01-9	<b>Chrysene</b>	<b>207</b>	J	ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	275	547	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	275	548	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH



### Sample Information

**Client Sample ID:** SP-3 (0-2)

**York Sample ID:** 14I0350-03

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
206-44-0	<b>Fluoranthene</b>	<b>464</b>		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
86-73-7	Fluorene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
78-59-1	Isophorone	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
91-20-3	<b>Naphthalene</b>	<b>73.4</b>	J	ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
85-01-8	<b>Phenanthrene</b>	<b>512</b>		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
108-95-2	Phenol	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
129-00-0	<b>Pyrene</b>	<b>407</b>		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
110-86-1	Pyridine	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	69.0	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 11:53	KH

	<b>Surrogate Recoveries</b>	<b>Result</b>	<b>Acceptance Range</b>
367-12-4	Surrogate: 2-Fluorophenol	18.3 %	10-105
4165-62-2	Surrogate: Phenol-d5	36.7 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	13.5 %	10-140



### Sample Information

**Client Sample ID:** SP-3 (0-2)

**York Sample ID:** 14I0350-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	30.1 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	37.7 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	46.6 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
50-29-3	<b>4,4'-DDT</b>	<b>4.68</b>		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
309-00-2	Aldrin	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
57-74-9	Chlordane, total	ND		ug/kg dry	108	108	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
72-20-8	Endrin	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.6	13.6	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
8001-35-2	Toxaphene	ND		ug/kg dry	137	137	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:43	JW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	92.4 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	83.6 %			30-140						



### Sample Information

**Client Sample ID:** SP-3 (0-2)

**York Sample ID:** 14I0350-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:33	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:33	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:33	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:33	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:33	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:33	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:33	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 21:33	AMC
	<b>Surrogate Recoveries</b>	<b>Result</b>				<b>Acceptance Range</b>					
877-09-8	Surrogate: Tetrachloro-m-xylene	86.0 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	72.0 %				30-140					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>6800</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-36-0	Antimony	ND		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-38-2	<b>Arsenic</b>	<b>2.50</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-39-3	<b>Barium</b>	<b>136</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.329	0.329	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-70-2	<b>Calcium</b>	<b>3920</b>		mg/kg dry	0.548	5.48	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-47-3	<b>Chromium</b>	<b>17.7</b>		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-48-4	<b>Cobalt</b>	<b>6.51</b>		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-50-8	<b>Copper</b>	<b>17.8</b>		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7439-89-6	<b>Iron</b>	<b>13500</b>		mg/kg dry	2.19	2.19	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7439-92-1	<b>Lead</b>	<b>41.3</b>		mg/kg dry	0.329	0.329	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7439-95-4	<b>Magnesium</b>	<b>2600</b>		mg/kg dry	5.48	5.48	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7439-96-5	<b>Manganese</b>	<b>355</b>		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-02-0	<b>Nickel</b>	<b>17.8</b>		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-09-7	<b>Potassium</b>	<b>2110</b>		mg/kg dry	5.48	5.48	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7782-49-2	Selenium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-22-4	Silver	ND		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-23-5	<b>Sodium</b>	<b>164</b>		mg/kg dry	11.0	11.0	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW
7440-62-2	<b>Vanadium</b>	<b>23.2</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW



**Sample Information**

**Client Sample ID:** SP-3 (0-2) **York Sample ID:** 14I0350-03  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 5, 2014 3:00 pm **Date Received** 09/08/2014

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	45.9		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:18	MW

**Mercury by 7473**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.344		mg/kg dry	0.0329	0.0329	1	EPA 7473	09/10/2014 11:40	09/10/2014 15:14	ALD

**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.3		%	0.100	0.100	1	SM 2540G	09/10/2014 18:13	09/11/2014 14:27	KK

**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.384	0.548	1	EPA 7196A	09/12/2014 08:15	09/12/2014 16:31	SC

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.2		mg/kg	0.250	0.500	1	Calculation	09/12/2014 16:33	09/12/2014 16:39	SC

**Sample Information**

**Client Sample ID:** SP-4 (0-2) **York Sample ID:** 14I0350-04  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 5, 2014 3:00 pm **Date Received** 09/08/2014

**Volatile Organics, 8260 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS



### Sample Information

**Client Sample ID:** SP-4 (0-2)

**York Sample ID:** 14I0350-04

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	93	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
67-64-1	<b>Acetone</b>	<b>6.5</b>	Cal-E, J	ug/kg dry	2.3	9.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS



### Sample Information

**Client Sample ID:** SP-4 (0-2)

**York Sample ID:** 14I0350-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.3	9.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.3	9.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/11/2014 14:50	09/12/2014 05:56	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	105 %		75-127							
2037-26-5	Surrogate: Toluene-d8	106 %		90-112							



## Sample Information

**Client Sample ID:** SP-4 (0-2)

**York Sample ID:** 14I0350-04

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	634	J	ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
62-53-3	Aniline	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
120-12-7	Anthracene	2520		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
56-55-3	Benzo(a)anthracene	7260		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
50-32-8	Benzo(a)pyrene	2090		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
205-99-2	Benzo(b)fluoranthene	2690		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
191-24-2	Benzo(g,h,i)perylene	1610	ISTD-L O	ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
207-08-9	Benzo(k)fluoranthene	2050		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
218-01-9	Chrysene	6590		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
53-70-3	Dibenzo(a,h)anthracene	846	ISTD-L O, J	ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
132-64-9	Dibenzofuran	377	J	ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1380	2750	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1380	2750	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH



### Sample Information

**Client Sample ID:** SP-4 (0-2)

**York Sample ID:** 14I0350-04

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
206-44-0	<b>Fluoranthene</b>	<b>10900</b>		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
86-73-7	<b>Fluorene</b>	<b>788</b>	J	ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>1670</b>	ISTD-L O	ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
78-59-1	Isophorone	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
91-20-3	Naphthalene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	694	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
85-01-8	<b>Phenanthrene</b>	<b>8890</b>		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
108-95-2	Phenol	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
129-00-0	<b>Pyrene</b>	<b>12100</b>		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
110-86-1	Pyridine	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	347	1380	5	EPA 8270D	09/10/2014 18:00	09/11/2014 22:54	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: 2-Fluorophenol	18.4 %		10-105							
4165-62-2	Surrogate: Phenol-d5	37.7 %		10-118							



### Sample Information

**Client Sample ID:** SP-4 (0-2)

**York Sample ID:** 14I0350-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: Nitrobenzene-d5	16.5 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	35.8 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	27.4 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	64.7 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
309-00-2	Aldrin	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
57-74-9	Chlordane, total	ND		ug/kg dry	109	109	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
72-20-8	Endrin	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.73	2.73	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.6	13.6	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
8001-35-2	Toxaphene	ND		ug/kg dry	138	138	5	EPA 8081B	09/10/2014 15:00	09/12/2014 11:49	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	74.4 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	92.7 %			30-140						



### Sample Information

**Client Sample ID:** SP-4 (0-2)

**York Sample ID:** 14I0350-04

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:02	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:02	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:02	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:02	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:02	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:02	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:02	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:02	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	77.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	67.0 %	30-140

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4980		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-36-0	Antimony	0.699		mg/kg dry	0.551	0.551	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-38-2	Arsenic	4.94		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-39-3	Barium	219		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.331	0.331	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-70-2	Calcium	52600		mg/kg dry	0.551	5.51	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-47-3	Chromium	11.4		mg/kg dry	0.551	0.551	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-48-4	Cobalt	4.63		mg/kg dry	0.551	0.551	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-50-8	Copper	30.3		mg/kg dry	0.551	0.551	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7439-89-6	Iron	15800		mg/kg dry	2.20	2.20	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7439-92-1	Lead	496		mg/kg dry	0.331	0.331	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7439-95-4	Magnesium	2240		mg/kg dry	5.51	5.51	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7439-96-5	Manganese	176		mg/kg dry	0.551	0.551	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-02-0	Nickel	19.5		mg/kg dry	0.551	0.551	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-09-7	Potassium	1230		mg/kg dry	5.51	5.51	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7782-49-2	Selenium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-22-4	Silver	ND		mg/kg dry	0.551	0.551	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-23-5	Sodium	260		mg/kg dry	11.0	11.0	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW
7440-62-2	Vanadium	16.8		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW



### Sample Information

**Client Sample ID:** SP-4 (0-2) **York Sample ID:** 14I0350-04  
**York Project (SDG) No.:** 14I0350 **Client Project ID:** 140145 **Matrix:** Soil **Collection Date/Time:** September 5, 2014 3:00 pm **Date Received:** 09/08/2014

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	183		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:23	MW

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.404		mg/kg dry	0.0331	0.0331	1	EPA 7473	09/10/2014 11:40	09/10/2014 15:22	ALD

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.7		%	0.100	0.100	1	SM 2540G	09/10/2014 18:13	09/11/2014 14:27	KK

#### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.386	0.551	1	EPA 7196A	09/12/2014 08:15	09/12/2014 16:31	SC

#### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	10.3		mg/kg	0.250	0.500	1	Calculation	09/12/2014 16:33	09/12/2014 16:39	SC

### Sample Information

**Client Sample ID:** SP-5 (0-2) **York Sample ID:** 14I0350-05  
**York Project (SDG) No.:** 14I0350 **Client Project ID:** 140145 **Matrix:** Soil **Collection Date/Time:** September 5, 2014 3:00 pm **Date Received:** 09/08/2014

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS



### Sample Information

**Client Sample ID:** SP-5 (0-2)

**York Sample ID:** 14I0350-05

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	37	74	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
67-64-1	<b>Acetone</b>	<b>1.8</b>	Cal-E, J	ug/kg dry	1.8	7.4	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
71-43-2	Benzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
75-25-2	Bromoform	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
67-66-3	Chloroform	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS



### Sample Information

**Client Sample ID:** SP-5 (0-2)

**York Sample ID:** 14I0350-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
75-09-2	Methylene chloride	ND		ug/kg dry	1.8	7.4	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.8	7.4	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.7	7.4	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
100-42-5	Styrene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
108-88-3	Toluene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.5	11	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.8	3.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 06:25	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	115 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	96.5 %		75-127							
2037-26-5	Surrogate: Toluene-d8	102 %		90-112							



### Sample Information

**Client Sample ID:** SP-5 (0-2)

**York Sample ID:** 14I0350-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

### Semi-Volatiles, 8270 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
62-53-3	Aniline	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
120-12-7	Anthracene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
218-01-9	Chrysene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	275	548	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	275	548	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH



### Sample Information

**Client Sample ID:** SP-5 (0-2)

**York Sample ID:** 14I0350-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
206-44-0	Fluoranthene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
86-73-7	Fluorene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
78-59-1	Isophorone	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
91-20-3	Naphthalene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	138	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
85-01-8	Phenanthrene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
108-95-2	Phenol	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
129-00-0	Pyrene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
110-86-1	Pyridine	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	69.1	274	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:23	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: 2-Fluorophenol	15.7 %		10-105							
4165-62-2	Surrogate: Phenol-d5	32.9 %		10-118							
4165-60-0	Surrogate: Nitrobenzene-d5	10.3 %		10-140							



### Sample Information

**Client Sample ID:** SP-5 (0-2)

**York Sample ID:** 14I0350-05

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	27.6 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	37.0 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	43.4 %			10-137						

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
309-00-2	Aldrin	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
57-74-9	Chlordane, total	ND		ug/kg dry	109	109	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
72-20-8	Endrin	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.71	2.71	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.6	13.6	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
8001-35-2	Toxaphene	ND		ug/kg dry	137	137	5	EPA 8081B	09/10/2014 15:00	09/11/2014 11:59	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	98.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	89.5 %			30-140						



### Sample Information

**Client Sample ID:** SP-5 (0-2)

**York Sample ID:** 14I0350-05

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:31	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:31	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:31	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:31	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:31	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:31	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:31	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	09/10/2014 15:00	09/11/2014 22:31	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	86.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	71.5 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>8850</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-36-0	Antimony	ND		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-38-2	<b>Arsenic</b>	<b>1.68</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-39-3	<b>Barium</b>	<b>54.1</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.329	0.329	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-70-2	<b>Calcium</b>	<b>1030</b>		mg/kg dry	0.548	5.48	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-47-3	<b>Chromium</b>	<b>12.6</b>		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-48-4	<b>Cobalt</b>	<b>4.53</b>		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-50-8	<b>Copper</b>	<b>5.74</b>		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7439-89-6	<b>Iron</b>	<b>9650</b>		mg/kg dry	2.19	2.19	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7439-92-1	<b>Lead</b>	<b>13.8</b>		mg/kg dry	0.329	0.329	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7439-95-4	<b>Magnesium</b>	<b>1570</b>		mg/kg dry	5.48	5.48	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7439-96-5	<b>Manganese</b>	<b>100</b>		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-02-0	<b>Nickel</b>	<b>10.3</b>		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-09-7	<b>Potassium</b>	<b>480</b>		mg/kg dry	5.48	5.48	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7782-49-2	Selenium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-22-4	Silver	ND		mg/kg dry	0.548	0.548	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-23-5	<b>Sodium</b>	<b>69.9</b>		mg/kg dry	11.0	11.0	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW
7440-62-2	<b>Vanadium</b>	<b>16.6</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW



**Sample Information**

**Client Sample ID:** SP-5 (0-2) **York Sample ID:** 14I0350-05  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 5, 2014 3:00 pm **Date Received** 09/08/2014

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	27.5		mg/kg dry	1.10	1.10	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:28	MW

**Mercury by 7473**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0743		mg/kg dry	0.0329	0.0329	1	EPA 7473	09/10/2014 11:40	09/10/2014 15:31	ALD

**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.2		%	0.100	0.100	1	SM 2540G	09/10/2014 18:13	09/11/2014 14:27	KK

**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.384	0.548	1	EPA 7196A	09/12/2014 08:15	09/12/2014 16:31	SC

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	11.5		mg/kg	0.250	0.500	1	Calculation	09/12/2014 16:33	09/12/2014 16:39	SC

**Sample Information**

**Client Sample ID:** SP-1 (20-22) **York Sample ID:** 14I0350-06  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 3, 2014 3:00 pm **Date Received** 09/08/2014

**Volatile Organics, 8260 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS



### Sample Information

**Client Sample ID:** SP-1 (20-22)

**York Sample ID:** 14I0350-06

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>10000</b>		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>1000</b>		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	3700	7300	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
78-93-3	2-Butanone	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
67-64-1	Acetone	ND		ug/kg dry	180	730	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
71-43-2	Benzene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
108-86-1	Bromobenzene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
75-25-2	Bromoform	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
74-83-9	Bromomethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
75-00-3	Chloroethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
67-66-3	Chloroform	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS



### Sample Information

**Client Sample ID:** SP-1 (20-22)

**York Sample ID:** 14I0350-06

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
74-95-3	Dibromomethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
100-41-4	<b>Ethyl Benzene</b>	<b>770</b>		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
98-82-8	<b>Isopropylbenzene</b>	<b>700</b>		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
75-09-2	Methylene chloride	ND		ug/kg dry	180	730	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
91-20-3	<b>Naphthalene</b>	<b>2800</b>	B	ug/kg dry	180	730	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
104-51-8	<b>n-Butylbenzene</b>	<b>1500</b>		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
103-65-1	<b>n-Propylbenzene</b>	<b>1500</b>		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
95-47-6	o-Xylene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	370	730	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
99-87-6	<b>p-Isopropyltoluene</b>	<b>410</b>		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
135-98-8	<b>sec-Butylbenzene</b>	<b>1300</b>		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
100-42-5	Styrene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
108-88-3	Toluene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	550	1100	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	180	370	100	EPA 8260C	09/11/2014 14:50	09/12/2014 06:55	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.8 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	103 %		75-127							
2037-26-5	Surrogate: Toluene-d8	97.6 %		90-112							



### Sample Information

Client Sample ID: SP-1 (20-22)

York Sample ID: 14I0350-06

York Project (SDG) No. 14I0350 Client Project ID 140145 Matrix Soil Collection Date/Time September 3, 2014 3:00 pm Date Received 09/08/2014

#### Semi-Volatiles, 8270 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
62-53-3	Aniline	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
120-12-7	Anthracene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
218-01-9	Chrysene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	293	585	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	293	586	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH



### Sample Information

**Client Sample ID:** SP-1 (20-22)

**York Sample ID:** 14I0350-06

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
206-44-0	Fluoranthene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
86-73-7	Fluorene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
78-59-1	Isophorone	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>267</b>	J	ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
91-20-3	Naphthalene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	148	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
85-01-8	<b>Phenanthrene</b>	<b>153</b>	J	ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
108-95-2	Phenol	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
129-00-0	Pyrene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
110-86-1	Pyridine	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	73.8	293	1	EPA 8270D	09/10/2014 18:00	09/11/2014 12:54	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	18.4 %	10-105
4165-62-2	Surrogate: Phenol-d5	33.2 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	12.1 %	10-140



### Sample Information

**Client Sample ID:** SP-1 (20-22)

**York Sample ID:** 14I0350-06

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	27.0 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	32.7 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	42.1 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
309-00-2	Aldrin	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
57-74-9	Chlordane, total	ND		ug/kg dry	116	116	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
72-20-8	Endrin	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.90	2.90	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
72-43-5	Methoxychlor	ND		ug/kg dry	14.5	14.5	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
8001-35-2	Toxaphene	ND		ug/kg dry	147	147	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:15	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	84.7 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	80.6 %			30-140						



### Sample Information

**Client Sample ID:** SP-1 (20-22)

**York Sample ID:** 14I0350-06

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 3, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0293	0.0293	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:01	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0293	0.0293	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:01	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0293	0.0293	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:01	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0293	0.0293	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:01	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0293	0.0293	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:01	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0293	0.0293	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:01	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0293	0.0293	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:01	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0293	0.0293	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:01	AMC
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	76.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	67.5 %			30-140						

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>1890</b>		mg/kg dry	1.17	1.17	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-36-0	Antimony	ND		mg/kg dry	0.586	0.586	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-38-2	Arsenic	ND		mg/kg dry	1.17	1.17	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-39-3	<b>Barium</b>	<b>194</b>		mg/kg dry	1.17	1.17	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.117	0.117	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.351	0.351	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-70-2	<b>Calcium</b>	<b>1220</b>		mg/kg dry	0.586	5.86	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-47-3	<b>Chromium</b>	<b>21.4</b>		mg/kg dry	0.586	0.586	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-48-4	<b>Cobalt</b>	<b>3.05</b>		mg/kg dry	0.586	0.586	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-50-8	<b>Copper</b>	<b>7.30</b>		mg/kg dry	0.586	0.586	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7439-89-6	<b>Iron</b>	<b>5610</b>		mg/kg dry	2.34	2.34	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7439-92-1	<b>Lead</b>	<b>2.63</b>		mg/kg dry	0.351	0.351	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7439-95-4	<b>Magnesium</b>	<b>931</b>		mg/kg dry	5.86	5.86	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7439-96-5	<b>Manganese</b>	<b>1770</b>		mg/kg dry	0.586	0.586	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-02-0	<b>Nickel</b>	<b>9.23</b>		mg/kg dry	0.586	0.586	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-09-7	<b>Potassium</b>	<b>644</b>		mg/kg dry	5.86	5.86	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7782-49-2	Selenium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-22-4	Silver	ND		mg/kg dry	0.586	0.586	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-23-5	<b>Sodium</b>	<b>88.7</b>		mg/kg dry	11.7	11.7	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-28-0	Thallium	ND		mg/kg dry	1.17	1.17	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW
7440-62-2	<b>Vanadium</b>	<b>7.32</b>		mg/kg dry	1.17	1.17	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW



### Sample Information

**Client Sample ID:** SP-1 (20-22) **York Sample ID:** 14I0350-06  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 3, 2014 3:00 pm **Date Received** 09/08/2014

#### Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	7.93		mg/kg dry	1.17	1.17	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:32	MW

#### Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0351	0.0351	1	EPA 7473	09/10/2014 11:40	09/10/2014 15:40	ALD

#### Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.4		%	0.100	0.100	1	SM 2540G	09/10/2014 18:14	09/11/2014 14:24	KK

#### Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.410	0.586	1	EPA 7196A	09/12/2014 08:15	09/12/2014 16:31	SC

#### Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.3		mg/kg	0.250	0.500	1	Calculation	09/12/2014 16:33	09/12/2014 16:39	SC

### Sample Information

**Client Sample ID:** SP-2 (6-8) **York Sample ID:** 14I0350-07  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 4, 2014 3:00 pm **Date Received** 09/08/2014

#### Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS



### Sample Information

**Client Sample ID:** SP-2 (6-8)

**York Sample ID:** 14I0350-07

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	87	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
67-64-1	<b>Acetone</b>	<b>3.0</b>	Cal-E, J	ug/kg dry	2.2	8.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS



### Sample Information

**Client Sample ID:** SP-2 (6-8)

**York Sample ID:** 14I0350-07

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.2	8.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
91-20-3	<b>Naphthalene</b>	<b>2.3</b>	J, B	ug/kg dry	2.2	8.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:50	09/12/2014 07:24	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	103 %		75-127							
2037-26-5	Surrogate: Toluene-d8	107 %		90-112							



### Sample Information

**Client Sample ID:** SP-2 (6-8)

**York Sample ID:** 14I0350-07

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
62-53-3	Aniline	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
120-12-7	Anthracene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>167</b>	J	ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>94.5</b>	J	ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>96.9</b>	J	ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>119</b>	J	ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
218-01-9	<b>Chrysene</b>	<b>175</b>	J	ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	302	602	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	302	602	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH



### Sample Information

**Client Sample ID:** SP-2 (6-8)

**York Sample ID:** 14I0350-07

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
206-44-0	<b>Fluoranthene</b>	<b>322</b>		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
86-73-7	Fluorene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
78-59-1	Isophorone	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
91-20-3	Naphthalene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	152	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
85-01-8	<b>Phenanthrene</b>	<b>266</b>	J	ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
108-95-2	Phenol	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
129-00-0	<b>Pyrene</b>	<b>303</b>		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
110-86-1	Pyridine	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	75.9	301	1	EPA 8270D	09/10/2014 18:00	09/11/2014 21:51	KH

	<b>Surrogate Recoveries</b>	<b>Result</b>	<b>Acceptance Range</b>
367-12-4	Surrogate: 2-Fluorophenol	16.8 %	10-105
4165-62-2	Surrogate: Phenol-d5	36.5 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	12.9 %	10-140



### Sample Information

**Client Sample ID:** SP-2 (6-8)

**York Sample ID:** 14I0350-07

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	30.6 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	33.5 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	38.8 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
309-00-2	Aldrin	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
57-74-9	Chlordane, total	ND		ug/kg dry	119	119	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
72-20-8	Endrin	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.98	2.98	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
72-43-5	Methoxychlor	ND		ug/kg dry	14.9	14.9	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
8001-35-2	Toxaphene	ND		ug/kg dry	151	151	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:31	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	95.3 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	86.4 %			30-140						



### Sample Information

**Client Sample ID:** SP-2 (6-8)

**York Sample ID:** 14I0350-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 4, 2014 3:00 pm

09/08/2014

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0301	0.0301	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:30	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0301	0.0301	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:30	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0301	0.0301	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:30	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0301	0.0301	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:30	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0301	0.0301	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:30	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0301	0.0301	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:30	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0301	0.0301	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:30	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0301	0.0301	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:30	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8 Surrogate: Tetrachloro-m-xylene 84.5 % 30-140

2051-24-3 Surrogate: Decachlorobiphenyl 74.5 % 30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>5060</b>		mg/kg dry	1.20	1.20	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-36-0	Antimony	ND		mg/kg dry	0.602	0.602	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-38-2	<b>Arsenic</b>	<b>4.13</b>		mg/kg dry	1.20	1.20	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-39-3	<b>Barium</b>	<b>211</b>		mg/kg dry	1.20	1.20	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.120	0.120	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.361	0.361	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-70-2	<b>Calcium</b>	<b>36900</b>		mg/kg dry	0.602	6.02	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-47-3	<b>Chromium</b>	<b>10.8</b>		mg/kg dry	0.602	0.602	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-48-4	<b>Cobalt</b>	<b>4.65</b>		mg/kg dry	0.602	0.602	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-50-8	<b>Copper</b>	<b>25.7</b>		mg/kg dry	0.602	0.602	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7439-89-6	<b>Iron</b>	<b>12600</b>		mg/kg dry	2.41	2.41	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7439-92-1	<b>Lead</b>	<b>847</b>		mg/kg dry	0.361	0.361	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7439-95-4	<b>Magnesium</b>	<b>2560</b>		mg/kg dry	6.02	6.02	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7439-96-5	<b>Manganese</b>	<b>177</b>		mg/kg dry	0.602	0.602	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-02-0	<b>Nickel</b>	<b>14.2</b>		mg/kg dry	0.602	0.602	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-09-7	<b>Potassium</b>	<b>825</b>		mg/kg dry	6.02	6.02	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7782-49-2	Selenium	ND		mg/kg dry	1.20	1.20	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-22-4	Silver	ND		mg/kg dry	0.602	0.602	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-23-5	<b>Sodium</b>	<b>215</b>		mg/kg dry	12.0	12.0	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-28-0	Thallium	ND		mg/kg dry	1.20	1.20	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW
7440-62-2	<b>Vanadium</b>	<b>11.9</b>		mg/kg dry	1.20	1.20	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW



### Sample Information

<b>Client Sample ID:</b> SP-2 (6-8)					<b>York Sample ID:</b> 14I0350-07
<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 4, 2014 3:00 pm	<u>Date Received</u> 09/08/2014	

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	170		mg/kg dry	1.20	1.20	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:37	MW

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.09		mg/kg dry	0.0361	0.0361	1	EPA 7473	09/10/2014 11:40	09/10/2014 15:49	ALD

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.0		%	0.100	0.100	1	SM 2540G	09/10/2014 18:14	09/11/2014 14:24	KK

#### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.421	0.602	1	EPA 7196A	09/12/2014 08:15	09/12/2014 16:31	SC

#### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	8.94		mg/kg	0.250	0.500	1	Calculation	09/12/2014 16:33	09/12/2014 16:39	SC

### Sample Information

<b>Client Sample ID:</b> SP-3 (4-6)					<b>York Sample ID:</b> 14I0350-08
<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014	

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK



### Sample Information

**Client Sample ID:** SP-3 (4-6)

**York Sample ID:** 14I0350-08

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14I0350	140145	Soil	September 5, 2014 3:00 pm	09/08/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	38	77	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
78-93-3	2-Butanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
67-64-1	<b>Acetone</b>	<b>3.4</b>	Cal-E, CCV-E, J, B	ug/kg dry	1.9	7.7	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
71-43-2	Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
108-86-1	Bromobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
75-25-2	Bromoform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
74-83-9	Bromomethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
75-00-3	Chloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK



### Sample Information

**Client Sample ID:** SP-3 (4-6)

**York Sample ID:** 14I0350-08

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
74-87-3	Chloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
74-95-3	Dibromomethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
75-09-2	Methylene chloride	ND		ug/kg dry	1.9	7.7	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
91-20-3	Naphthalene	ND		ug/kg dry	1.9	7.7	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
95-47-6	o-Xylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.8	7.7	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
100-42-5	Styrene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
108-88-3	Toluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.7	11	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	1.9	3.8	1	EPA 8260C	09/11/2014 14:57	09/11/2014 22:37	BK
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	106 %		75-127							
2037-26-5	Surrogate: Toluene-d8	101 %		90-112							



### Sample Information

**Client Sample ID:** SP-3 (4-6)

**York Sample ID:** 14I0350-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

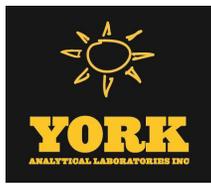
### Semi-Volatiles, 8270 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
62-53-3	Aniline	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
120-12-7	Anthracene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
218-01-9	Chrysene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	268	534	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	268	535	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH



### Sample Information

**Client Sample ID:** SP-3 (4-6)

**York Sample ID:** 14I0350-08

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
206-44-0	Fluoranthene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
86-73-7	Fluorene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
78-59-1	Isophorone	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
91-20-3	Naphthalene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	135	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
85-01-8	Phenanthrene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
108-95-2	Phenol	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
129-00-0	Pyrene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
110-86-1	Pyridine	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	67.4	267	1	EPA 8270D	09/10/2014 18:00	09/11/2014 13:24	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: 2-Fluorophenol	15.4 %		10-105							
4165-62-2	Surrogate: Phenol-d5	31.0 %		10-118							
4165-60-0	Surrogate: Nitrobenzene-d5	11.6 %		10-140							



### Sample Information

**Client Sample ID:** SP-3 (4-6)

**York Sample ID:** 14I0350-08

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	28.9 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	30.4 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	43.3 %			10-137						

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
309-00-2	Aldrin	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
57-74-9	Chlordane, total	ND		ug/kg dry	106	106	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
72-20-8	Endrin	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.65	2.65	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.2	13.2	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
8001-35-2	Toxaphene	ND		ug/kg dry	134	134	5	EPA 8081B	09/10/2014 15:00	09/11/2014 12:47	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	77.1 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	69.3 %			30-140						



### Sample Information

**Client Sample ID:** SP-3 (4-6)

**York Sample ID:** 14I0350-08

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:59	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:59	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:59	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:59	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:59	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:59	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:59	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/10/2014 15:00	09/11/2014 23:59	AMC
	<b>Surrogate Recoveries</b>	<b>Result</b>				<b>Acceptance Range</b>					
877-09-8	Surrogate: Tetrachloro-m-xylene	68.5 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	57.0 %				30-140					

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>4450</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-36-0	Antimony	ND		mg/kg dry	0.535	0.535	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-38-2	<b>Arsenic</b>	<b>1.53</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-39-3	<b>Barium</b>	<b>128</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.321	0.321	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-70-2	<b>Calcium</b>	<b>1100</b>		mg/kg dry	0.535	5.35	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-47-3	<b>Chromium</b>	<b>13.5</b>		mg/kg dry	0.535	0.535	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-48-4	<b>Cobalt</b>	<b>6.99</b>		mg/kg dry	0.535	0.535	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-50-8	<b>Copper</b>	<b>11.5</b>		mg/kg dry	0.535	0.535	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7439-89-6	<b>Iron</b>	<b>10000</b>		mg/kg dry	2.14	2.14	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7439-92-1	<b>Lead</b>	<b>5.16</b>		mg/kg dry	0.321	0.321	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7439-95-4	<b>Magnesium</b>	<b>1770</b>		mg/kg dry	5.35	5.35	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7439-96-5	<b>Manganese</b>	<b>475</b>		mg/kg dry	0.535	0.535	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-02-0	<b>Nickel</b>	<b>18.2</b>		mg/kg dry	0.535	0.535	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-09-7	<b>Potassium</b>	<b>1560</b>		mg/kg dry	5.35	5.35	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7782-49-2	Selenium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-22-4	Silver	ND		mg/kg dry	0.535	0.535	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-23-5	<b>Sodium</b>	<b>72.9</b>		mg/kg dry	10.7	10.7	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW
7440-62-2	<b>Vanadium</b>	<b>17.7</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW



### Sample Information

<b>Client Sample ID:</b> SP-3 (4-6)					<b>York Sample ID:</b> 14I0350-08
<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014	

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	17.3		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:41	MW

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0321		mg/kg dry	0.0321	0.0321	1	EPA 7473	09/10/2014 11:40	09/10/2014 16:02	ALD

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.5		%	0.100	0.100	1	SM 2540G	09/10/2014 18:14	09/11/2014 14:24	KK

#### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.374	0.535	1	EPA 7196A	09/12/2014 08:15	09/12/2014 16:31	SC

#### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	12.6		mg/kg	0.250	0.500	1	Calculation	09/12/2014 16:33	09/12/2014 16:39	SC

### Sample Information

<b>Client Sample ID:</b> SP-4 (4-6)					<b>York Sample ID:</b> 14I0350-09
<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014	

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK



### Sample Information

**Client Sample ID:** SP-4 (4-6)

**York Sample ID:** 14I0350-09

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	36	72	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
78-93-3	2-Butanone	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
67-64-1	Acetone	ND		ug/kg dry	1.8	7.2	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
71-43-2	<b>Benzene</b>	<b>2.7</b>	J	ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
108-86-1	Bromobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
75-25-2	Bromoform	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
74-83-9	Bromomethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
75-00-3	Chloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
67-66-3	Chloroform	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK



### Sample Information

**Client Sample ID:** SP-4 (4-6)

**York Sample ID:** 14I0350-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
74-95-3	Dibromomethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
75-09-2	Methylene chloride	ND		ug/kg dry	1.8	7.2	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
91-20-3	Naphthalene	ND		ug/kg dry	1.8	7.2	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
95-47-6	o-Xylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.6	7.2	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
100-42-5	Styrene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
108-88-3	Toluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.4	11	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	1.8	3.6	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:10	BK
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	124 %		75-127							
2037-26-5	Surrogate: Toluene-d8	104 %		90-112							



### Sample Information

**Client Sample ID:** SP-4 (4-6)

**York Sample ID:** 14I0350-09

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	2010	J	ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
208-96-8	Acenaphthylene	6930	J	ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
62-53-3	Aniline	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
120-12-7	Anthracene	13200		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
56-55-3	Benzo(a)anthracene	32700		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
50-32-8	Benzo(a)pyrene	9960		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
205-99-2	Benzo(b)fluoranthene	10100		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
191-24-2	Benzo(g,h,i)perylene	12100	ISTD-L O	ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
207-08-9	Benzo(k)fluoranthene	10500		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
218-01-9	Chrysene	29500		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
53-70-3	Dibenzo(a,h)anthracene	3600	ISTD-L O, J	ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
132-64-9	Dibenzofuran	5380	J	ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	7240	14400	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	7240	14500	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH



### Sample Information

**Client Sample ID:** SP-4 (4-6)

**York Sample ID:** 14I0350-09

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
206-44-0	<b>Fluoranthene</b>	<b>62600</b>		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
86-73-7	<b>Fluorene</b>	<b>5670</b>	J	ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>11400</b>	ISTD-L O	ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
78-59-1	Isophorone	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
91-20-3	<b>Naphthalene</b>	<b>4900</b>	J	ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	3640	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
85-01-8	<b>Phenanthrene</b>	<b>54700</b>		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
108-95-2	Phenol	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
129-00-0	<b>Pyrene</b>	<b>69500</b>		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
110-86-1	Pyridine	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	1820	7230	25	EPA 8270D	09/10/2014 18:00	09/11/2014 14:25	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	21.3 %	10-105
4165-62-2	Surrogate: Phenol-d5	43.6 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	17.9 %	10-140



### Sample Information

**Client Sample ID:** SP-4 (4-6)

**York Sample ID:** 14I0350-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	40.0 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	23.3 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	62.3 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
50-29-3	<b>4,4'-DDT</b>	<b>3.00</b>		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
309-00-2	Aldrin	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
57-74-9	Chlordane, total	ND		ug/kg dry	115	115	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
72-20-8	Endrin	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.86	2.86	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
72-43-5	Methoxychlor	ND		ug/kg dry	14.3	14.3	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
8001-35-2	Toxaphene	ND		ug/kg dry	145	145	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:04	JW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	71.8 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	71.1 %			30-140						



### Sample Information

**Client Sample ID:** SP-4 (4-6)

**York Sample ID:** 14I0350-09

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0289	0.0289	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:28	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0289	0.0289	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:28	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0289	0.0289	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:28	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0289	0.0289	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:28	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0289	0.0289	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:28	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0289	0.0289	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:28	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0289	0.0289	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:28	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0289	0.0289	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:28	AMC
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	68.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	56.0 %			30-140						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>5890</b>		mg/kg dry	1.16	1.16	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-36-0	<b>Antimony</b>	<b>0.791</b>		mg/kg dry	0.578	0.578	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-38-2	<b>Arsenic</b>	<b>8.76</b>		mg/kg dry	1.16	1.16	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-39-3	<b>Barium</b>	<b>488</b>		mg/kg dry	1.16	1.16	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.116	0.116	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.347	0.347	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-70-2	<b>Calcium</b>	<b>38500</b>		mg/kg dry	0.578	5.78	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-47-3	<b>Chromium</b>	<b>20.2</b>		mg/kg dry	0.578	0.578	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-48-4	<b>Cobalt</b>	<b>5.89</b>		mg/kg dry	0.578	0.578	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-50-8	<b>Copper</b>	<b>87.9</b>		mg/kg dry	0.578	0.578	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7439-89-6	<b>Iron</b>	<b>15600</b>		mg/kg dry	2.31	2.31	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7439-92-1	<b>Lead</b>	<b>599</b>		mg/kg dry	0.347	0.347	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7439-95-4	<b>Magnesium</b>	<b>3630</b>		mg/kg dry	5.78	5.78	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7439-96-5	<b>Manganese</b>	<b>233</b>		mg/kg dry	0.578	0.578	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-02-0	<b>Nickel</b>	<b>17.5</b>		mg/kg dry	0.578	0.578	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-09-7	<b>Potassium</b>	<b>1590</b>		mg/kg dry	5.78	5.78	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7782-49-2	Selenium	ND		mg/kg dry	1.16	1.16	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-22-4	Silver	ND		mg/kg dry	0.578	0.578	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-23-5	<b>Sodium</b>	<b>217</b>		mg/kg dry	11.6	11.6	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-28-0	Thallium	ND		mg/kg dry	1.16	1.16	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW
7440-62-2	<b>Vanadium</b>	<b>16.8</b>		mg/kg dry	1.16	1.16	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW



**Sample Information**

**Client Sample ID:** SP-4 (4-6) **York Sample ID:** 14I0350-09  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145  
**Matrix** Soil **Collection Date/Time** September 5, 2014 3:00 pm  
**Date Received** 09/08/2014

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	470		mg/kg dry	1.16	1.16	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:46	MW

**Mercury by 7473**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.905		mg/kg dry	0.0347	0.0347	1	EPA 7473	09/10/2014 11:40	09/10/2014 16:11	ALD

**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.5		%	0.100	0.100	1	SM 2540G	09/10/2014 18:14	09/11/2014 14:24	KK

**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.405	0.578	1	EPA 7196A	09/12/2014 08:15	09/12/2014 16:31	SC

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.4		mg/kg	0.250	0.500	1	Calculation	09/12/2014 16:33	09/12/2014 16:39	SC

**Sample Information**

**Client Sample ID:** SP-5 (4-6) **York Sample ID:** 14I0350-10  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145  
**Matrix** Soil **Collection Date/Time** September 5, 2014 3:00 pm  
**Date Received** 09/08/2014

**Volatile Organics, 8260 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK



### Sample Information

**Client Sample ID:** SP-5 (4-6)

**York Sample ID:** 14I0350-10

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	87	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
67-64-1	Acetone	ND		ug/kg dry	2.2	8.7	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
71-43-2	Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
108-86-1	Bromobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK



### Sample Information

**Client Sample ID:** SP-5 (4-6)

**York Sample ID:** 14I0350-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
75-09-2	Methylene chloride	ND		ug/kg dry	2.2	8.7	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
91-20-3	Naphthalene	ND		ug/kg dry	2.2	8.7	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.7	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
100-42-5	Styrene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
108-88-3	Toluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
108-05-4	Vinyl acetate	ND		ug/kg dry	2.2	4.3	1	EPA 8260C	09/11/2014 14:57	09/11/2014 23:44	BK
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	109 %		75-127							
2037-26-5	Surrogate: Toluene-d8	99.9 %		90-112							



### Sample Information

**Client Sample ID:** SP-5 (4-6)

**York Sample ID:** 14I0350-10

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14I0350	140145	Soil	September 5, 2014 3:00 pm	09/08/2014

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
62-53-3	Aniline	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
120-12-7	Anthracene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>344</b>	J	ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
191-24-2	Benzo(g,h,i)perylene	ND	ISTD-L O	ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>145</b>	J	ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
218-01-9	<b>Chrysene</b>	<b>362</b>	J	ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
53-70-3	Dibenzo(a,h)anthracene	ND	ISTD-L O	ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	538	1070	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	538	1070	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH



### Sample Information

**Client Sample ID:** SP-5 (4-6)

**York Sample ID:** 14I0350-10

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>516</b>	J	ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
206-44-0	<b>Fluoranthene</b>	<b>618</b>		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
86-73-7	Fluorene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ISTD-L O	ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
78-59-1	Isophorone	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
91-20-3	Naphthalene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	271	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
85-01-8	<b>Phenanthrene</b>	<b>395</b>	J	ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
108-95-2	Phenol	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
129-00-0	<b>Pyrene</b>	<b>717</b>		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
110-86-1	Pyridine	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	135	537	2	EPA 8270D	09/10/2014 18:00	09/11/2014 22:23	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: 2-Fluorophenol	17.7 %		10-105							
4165-62-2	Surrogate: Phenol-d5	35.9 %		10-118							



### Sample Information

**Client Sample ID:** SP-5 (4-6)

**York Sample ID:** 14I0350-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0350

140145

Soil

September 5, 2014 3:00 pm

09/08/2014

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: Nitrobenzene-d5	17.8 %			10-140						
321-60-8	Surrogate: 2-Fluorobiphenyl	34.8 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	25.6 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	56.3 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
50-29-3	<b>4,4'-DDT</b>	<b>18.5</b>		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
309-00-2	Aldrin	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
57-74-9	Chlordane, total	ND		ug/kg dry	106	106	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
72-20-8	Endrin	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.66	2.66	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.3	13.3	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
8001-35-2	Toxaphene	ND		ug/kg dry	135	135	5	EPA 8081B	09/10/2014 15:00	09/12/2014 12:19	JW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	78.7 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	82.2 %			30-140						



### Sample Information

**Client Sample ID:** SP-5 (4-6)

**York Sample ID:** 14I0350-10

<u>York Project (SDG) No.</u> 14I0350	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 5, 2014 3:00 pm	<u>Date Received</u> 09/08/2014
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0269	0.0269	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:57	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0269	0.0269	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:57	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0269	0.0269	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:57	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0269	0.0269	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:57	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0269	0.0269	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:57	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0269	0.0269	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:57	AMC
11096-82-5	<b>Aroclor 1260</b>	<b>0.0752</b>		mg/kg dry	0.0269	0.0269	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:57	AMC
1336-36-3	<b>* Total PCBs</b>	<b>0.0752</b>		mg/kg dry	0.0269	0.0269	1	EPA 8082A	09/10/2014 15:00	09/12/2014 00:57	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	78.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	62.5 %			30-140						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>6800</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-36-0	Antimony	ND		mg/kg dry	0.537	0.537	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-38-2	<b>Arsenic</b>	<b>6.92</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-39-3	<b>Barium</b>	<b>239</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.322	0.322	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-70-2	<b>Calcium</b>	<b>27100</b>		mg/kg dry	0.537	5.37	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-47-3	<b>Chromium</b>	<b>15.5</b>		mg/kg dry	0.537	0.537	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-48-4	<b>Cobalt</b>	<b>7.07</b>		mg/kg dry	0.537	0.537	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-50-8	<b>Copper</b>	<b>43.2</b>		mg/kg dry	0.537	0.537	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7439-89-6	<b>Iron</b>	<b>14300</b>		mg/kg dry	2.15	2.15	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7439-92-1	<b>Lead</b>	<b>810</b>		mg/kg dry	0.322	0.322	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7439-95-4	<b>Magnesium</b>	<b>3090</b>		mg/kg dry	5.37	5.37	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7439-96-5	<b>Manganese</b>	<b>248</b>		mg/kg dry	0.537	0.537	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-02-0	<b>Nickel</b>	<b>27.1</b>		mg/kg dry	0.537	0.537	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-09-7	<b>Potassium</b>	<b>1450</b>		mg/kg dry	5.37	5.37	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7782-49-2	Selenium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-22-4	Silver	ND		mg/kg dry	0.537	0.537	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-23-5	<b>Sodium</b>	<b>216</b>		mg/kg dry	10.7	10.7	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW
7440-62-2	<b>Vanadium</b>	<b>15.9</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW



**Sample Information**

**Client Sample ID:** SP-5 (4-6) **York Sample ID:** 14I0350-10  
**York Project (SDG) No.** 14I0350 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 5, 2014 3:00 pm **Date Received** 09/08/2014

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	206		mg/kg dry	1.07	1.07	1	EPA 6010C	09/10/2014 15:03	09/10/2014 18:51	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	2.15		mg/kg dry	0.0322	0.0322	1	EPA 7473	09/10/2014 11:40	09/10/2014 16:23	ALD

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.1		%	0.100	0.100	1	SM 2540G	09/10/2014 18:14	09/11/2014 14:24	KK

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.376	0.537	1	EPA 7196A	09/12/2014 08:15	09/12/2014 16:31	SC

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.4		mg/kg	0.250	0.500	1	Calculation	09/12/2014 16:33	09/12/2014 16:39	SC



## Analytical Batch Summary

**Batch ID:** BI40463

**Preparation Method:** EPA 7473 soil

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14I0350-01	SP-1 (0-2)	09/10/14
14I0350-02	SP-2 (0-2)	09/10/14
14I0350-03	SP-3 (0-2)	09/10/14
14I0350-04	SP-4 (0-2)	09/10/14
14I0350-05	SP-5 (0-2)	09/10/14
14I0350-06	SP-1 (20-22)	09/10/14
14I0350-07	SP-2 (6-8)	09/10/14
14I0350-08	SP-3 (4-6)	09/10/14
14I0350-09	SP-4 (4-6)	09/10/14
14I0350-10	SP-5 (4-6)	09/10/14
BI40463-BLK1	Blank	09/10/14
BI40463-SRM1	Reference	09/10/14

**Batch ID:** BI40468

**Preparation Method:** EPA 3545A

**Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14I0350-01	SP-1 (0-2)	09/10/14
14I0350-01	SP-1 (0-2)	09/10/14
14I0350-02	SP-2 (0-2)	09/10/14
14I0350-02	SP-2 (0-2)	09/10/14
14I0350-03	SP-3 (0-2)	09/10/14
14I0350-03	SP-3 (0-2)	09/10/14
14I0350-04	SP-4 (0-2)	09/10/14
14I0350-04	SP-4 (0-2)	09/10/14
14I0350-05	SP-5 (0-2)	09/10/14
14I0350-05	SP-5 (0-2)	09/10/14
14I0350-06	SP-1 (20-22)	09/10/14
14I0350-06	SP-1 (20-22)	09/10/14
14I0350-07	SP-2 (6-8)	09/10/14
14I0350-07	SP-2 (6-8)	09/10/14
14I0350-08	SP-3 (4-6)	09/10/14
14I0350-08	SP-3 (4-6)	09/10/14
14I0350-09	SP-4 (4-6)	09/10/14
14I0350-09	SP-4 (4-6)	09/10/14
14I0350-10	SP-5 (4-6)	09/10/14
14I0350-10	SP-5 (4-6)	09/10/14
BI40468-BLK1	Blank	09/10/14
BI40468-BLK1	Blank	09/10/14
BI40468-BS1	LCS	09/10/14
BI40468-BS2	LCS	09/10/14
BI40468-BSD1	LCS Dup	09/10/14
BI40468-BSD2	LCS Dup	09/10/14

**Batch ID:** BI40472

**Preparation Method:** EPA 3545A

**Prepared By:** DB



YORK Sample ID	Client Sample ID	Preparation Date
14I0350-01	SP-1 (0-2)	09/10/14
14I0350-02	SP-2 (0-2)	09/10/14
14I0350-03	SP-3 (0-2)	09/10/14
14I0350-04	SP-4 (0-2)	09/10/14
14I0350-05	SP-5 (0-2)	09/10/14
14I0350-06	SP-1 (20-22)	09/10/14
14I0350-07	SP-2 (6-8)	09/10/14
14I0350-08	SP-3 (4-6)	09/10/14
14I0350-09	SP-4 (4-6)	09/10/14
14I0350-10	SP-5 (4-6)	09/10/14
BI40472-BLK1	Blank	09/10/14
BI40472-BS1	LCS	09/10/14
BI40472-BSD1	LCS Dup	09/10/14
BI40472-MS1	Matrix Spike	09/10/14

**Batch ID:** BI40479      **Preparation Method:** EPA 3050B      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14I0350-01	SP-1 (0-2)	09/10/14
14I0350-02	SP-2 (0-2)	09/10/14
14I0350-03	SP-3 (0-2)	09/10/14
14I0350-04	SP-4 (0-2)	09/10/14
14I0350-05	SP-5 (0-2)	09/10/14
14I0350-06	SP-1 (20-22)	09/10/14
14I0350-07	SP-2 (6-8)	09/10/14
14I0350-08	SP-3 (4-6)	09/10/14
14I0350-09	SP-4 (4-6)	09/10/14
14I0350-10	SP-5 (4-6)	09/10/14
BI40479-BLK1	Blank	09/10/14
BI40479-SRM1	Reference	09/10/14

**Batch ID:** BI40494      **Preparation Method:** % Solids Prep      **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14I0350-01	SP-1 (0-2)	09/10/14
14I0350-02	SP-2 (0-2)	09/10/14
14I0350-03	SP-3 (0-2)	09/10/14
14I0350-04	SP-4 (0-2)	09/10/14
14I0350-05	SP-5 (0-2)	09/10/14
BI40494-DUP1	Duplicate	09/10/14

**Batch ID:** BI40495      **Preparation Method:** % Solids Prep      **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14I0350-06	SP-1 (20-22)	09/10/14
14I0350-07	SP-2 (6-8)	09/10/14
14I0350-08	SP-3 (4-6)	09/10/14
14I0350-09	SP-4 (4-6)	09/10/14
14I0350-10	SP-5 (4-6)	09/10/14



**Batch ID:** BI40575

**Preparation Method:** EPA 5035A

**Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14I0350-01	SP-1 (0-2)	09/11/14
14I0350-02	SP-2 (0-2)	09/11/14
14I0350-03	SP-3 (0-2)	09/11/14
14I0350-04	SP-4 (0-2)	09/11/14
14I0350-05	SP-5 (0-2)	09/11/14
14I0350-06	SP-1 (20-22)	09/11/14
14I0350-07	SP-2 (6-8)	09/11/14
BI40575-BLK1	Blank	09/11/14
BI40575-BS1	LCS	09/11/14
BI40575-BSD1	LCS Dup	09/11/14

**Batch ID:** BI40577

**Preparation Method:** EPA 5035A

**Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14I0350-08	SP-3 (4-6)	09/11/14
14I0350-09	SP-4 (4-6)	09/11/14
14I0350-10	SP-5 (4-6)	09/11/14
BI40577-BLK1	Blank	09/11/14
BI40577-BS1	LCS	09/11/14
BI40577-BSD1	LCS Dup	09/11/14

**Batch ID:** BI40591

**Preparation Method:** EPA SW846-3060

**Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14I0350-01	SP-1 (0-2)	09/12/14
14I0350-02	SP-2 (0-2)	09/12/14
14I0350-03	SP-3 (0-2)	09/12/14
14I0350-04	SP-4 (0-2)	09/12/14
14I0350-05	SP-5 (0-2)	09/12/14
14I0350-06	SP-1 (20-22)	09/12/14
14I0350-07	SP-2 (6-8)	09/12/14
14I0350-08	SP-3 (4-6)	09/12/14
14I0350-09	SP-4 (4-6)	09/12/14
14I0350-10	SP-5 (4-6)	09/12/14
BI40591-BLK1	Blank	09/12/14
BI40591-SRM1	Reference	09/12/14

**Batch ID:** BI40628

**Preparation Method:** EPA SW846-3060

**Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14I0350-01	SP-1 (0-2)	09/12/14
14I0350-02	SP-2 (0-2)	09/12/14
14I0350-03	SP-3 (0-2)	09/12/14
14I0350-04	SP-4 (0-2)	09/12/14
14I0350-05	SP-5 (0-2)	09/12/14



14I0350-06	SP-1 (20-22)	09/12/14
14I0350-07	SP-2 (6-8)	09/12/14
14I0350-08	SP-3 (4-6)	09/12/14
14I0350-09	SP-4 (4-6)	09/12/14
14I0350-10	SP-5 (4-6)	09/12/14



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40575 - EPA 5035A**

**Blank (BI40575-BLK1)**

Prepared & Analyzed: 09/11/2014

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
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	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	10	"								
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	10	"								
Naphthalene	3.2	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40575 - EPA 5035A

Blank (BI40575-BLK1)

Prepared & Analyzed: 09/11/2014

o-Xylene	ND	5.0	ug/kg wet								
p- & m- Xylenes	ND	10	"								
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	54.6		ug/L	50.0		109	67-130				
Surrogate: p-Bromofluorobenzene	49.5		"	50.0		99.0	75-127				
Surrogate: Toluene-d8	51.2		"	50.0		102	90-112				

LCS (BI40575-BS1)

Prepared & Analyzed: 09/11/2014

1,1,1,2-Tetrachloroethane	51.9		ug/L	50.0		104	72-126				
1,1,1-Trichloroethane	50.2		"	50.0		100	74-126				
1,1,2,2-Tetrachloroethane	55.9		"	50.0		112	72-133				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	66.6		"	50.0		133	47-160				
1,1,2-Trichloroethane	51.6		"	50.0		103	81-124				
1,1-Dichloroethane	48.1		"	50.0		96.3	80-125				
1,1-Dichloroethylene	45.6		"	50.0		91.3	62-136				
1,1-Dichloropropylene	46.3		"	50.0		92.6	81-121				
1,2,3-Trichlorobenzene	52.3		"	50.0		105	63-154				
1,2,3-Trichloropropane	50.8		"	50.0		102	70-126				
1,2,4-Trichlorobenzene	50.3		"	50.0		101	61-158				
1,2,4-Trimethylbenzene	52.0		"	50.0		104	83-123				
1,2-Dibromo-3-chloropropane	55.8		"	50.0		112	48-152				
1,2-Dibromoethane	51.7		"	50.0		103	81-123				
1,2-Dichlorobenzene	49.2		"	50.0		98.4	81-117				
1,2-Dichloroethane	49.2		"	50.0		98.4	67-129				
1,2-Dichloropropane	50.7		"	50.0		101	74-127				
1,3,5-Trimethylbenzene	51.1		"	50.0		102	81-120				
1,3-Dichlorobenzene	48.7		"	50.0		97.4	84-117				
1,3-Dichloropropane	53.4		"	50.0		107	77-125				
1,4-Dichlorobenzene	47.8		"	50.0		95.6	85-118				
1,4-Dioxane	514		"	1000		51.4	31-190				
2,2-Dichloropropane	47.2		"	50.0		94.4	69-129				
2-Butanone	47.4		"	50.0		94.8	58-159				
2-Chlorotoluene	50.0		"	50.0		99.9	75-123				
4-Chlorotoluene	51.7		"	50.0		103	76-121				
Acetone	41.2		"	50.0		82.4	32-173				
Benzene	46.9		"	50.0		93.7	83-126				
Bromobenzene	54.2		"	50.0		108	70-130				
Bromochloromethane	48.4		"	50.0		96.8	73-128				
Bromodichloromethane	54.6		"	50.0		109	74-126				
Bromoform	56.5		"	50.0		113	63-137				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40575 - EPA 5035A

LCS (BI40575-BS1)

Prepared & Analyzed: 09/11/2014

Bromomethane	51.6		ug/L	50.0		103	24-144				
Carbon tetrachloride	47.1		"	50.0		94.1	68-132				
Chlorobenzene	48.0		"	50.0		96.1	87-115				
Chloroethane	41.1		"	50.0		82.1	39-146				
Chloroform	48.1		"	50.0		96.2	84-120				
Chloromethane	42.9		"	50.0		85.8	35-153				
cis-1,2-Dichloroethylene	46.5		"	50.0		92.9	86-121				
cis-1,3-Dichloropropylene	52.5		"	50.0		105	78-122				
Dibromochloromethane	51.8		"	50.0		104	41-149				
Dibromomethane	50.9		"	50.0		102	82-118				
Dichlorodifluoromethane	35.6		"	50.0		71.2	52-143				
Ethyl Benzene	49.8		"	50.0		99.6	81-118				
Hexachlorobutadiene	54.2		"	50.0		108	70-133				
Isopropylbenzene	53.8		"	50.0		108	78-122				
Methyl tert-butyl ether (MTBE)	46.2		"	50.0		92.5	62-140				
Methylene chloride	48.3		"	50.0		96.6	48-143				
Naphthalene	56.0		"	50.0		112	55-160				
n-Butylbenzene	49.0		"	50.0		97.9	71-142				
n-Propylbenzene	53.2		"	50.0		106	80-123				
o-Xylene	51.4		"	50.0		103	81-118				
p- & m- Xylenes	96.0		"	100		96.0	80-120				
p-Isopropyltoluene	49.7		"	50.0		99.4	83-126				
sec-Butylbenzene	51.8		"	50.0		104	84-123				
Styrene	49.9		"	50.0		99.8	85-115				
tert-Butylbenzene	54.9		"	50.0		110	78-122				
Tetrachloroethylene	52.5		"	50.0		105	76-129				
Toluene	50.5		"	50.0		101	85-116				
trans-1,2-Dichloroethylene	45.1		"	50.0		90.3	66-136				
trans-1,3-Dichloropropylene	53.4		"	50.0		107	71-128				
Trichloroethylene	48.5		"	50.0		97.0	83-118				
Trichlorofluoromethane	43.4		"	50.0		86.8	54-141				
Vinyl Chloride	40.9		"	50.0		81.9	38-147				
Vinyl acetate	44.0		"	50.0		87.9	67-136				
Surrogate: 1,2-Dichloroethane-d4	50.4		"	50.0		101	67-130				
Surrogate: p-Bromofluorobenzene	53.4		"	50.0		107	75-127				
Surrogate: Toluene-d8	49.0		"	50.0		97.9	90-112				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BI40575 - EPA 5035A**

**LCS Dup (BI40575-bsd1)**

Prepared & Analyzed: 09/11/2014

1,1,1,2-Tetrachloroethane	48.3		ug/L	50.0		96.6	72-126		7.21	30
1,1,1-Trichloroethane	50.4		"	50.0		101	74-126		0.437	30
1,1,2,2-Tetrachloroethane	54.5		"	50.0		109	72-133		2.50	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	68.3		"	50.0		137	47-160		2.61	30
1,1,2-Trichloroethane	48.7		"	50.0		97.4	81-124		5.75	30
1,1-Dichloroethane	51.2		"	50.0		102	80-125		6.10	30
1,1-Dichloroethylene	45.3		"	50.0		90.6	62-136		0.704	30
1,1-Dichloropropylene	48.0		"	50.0		96.0	81-121		3.58	30
1,2,3-Trichlorobenzene	49.9		"	50.0		99.8	63-154		4.72	30
1,2,3-Trichloropropane	51.4		"	50.0		103	70-126		1.33	30
1,2,4-Trichlorobenzene	48.0		"	50.0		96.0	61-158		4.68	30
1,2,4-Trimethylbenzene	51.0		"	50.0		102	83-123		2.04	30
1,2-Dibromo-3-chloropropane	55.3		"	50.0		111	48-152		0.900	30
1,2-Dibromoethane	52.7		"	50.0		105	81-123		1.92	30
1,2-Dichlorobenzene	50.1		"	50.0		100	81-117		1.73	30
1,2-Dichloroethane	51.4		"	50.0		103	67-129		4.51	30
1,2-Dichloropropane	51.6		"	50.0		103	74-127		1.80	30
1,3,5-Trimethylbenzene	51.8		"	50.0		104	81-120		1.40	30
1,3-Dichlorobenzene	49.6		"	50.0		99.2	84-117		1.79	30
1,3-Dichloropropane	52.6		"	50.0		105	77-125		1.43	30
1,4-Dichlorobenzene	49.0		"	50.0		98.0	85-118		2.48	30
1,4-Dioxane	501		"	1000		50.1	31-190		2.46	30
2,2-Dichloropropane	47.7		"	50.0		95.5	69-129		1.18	30
2-Butanone	46.5		"	50.0		93.1	58-159		1.81	30
2-Chlorotoluene	52.5		"	50.0		105	75-123		5.05	30
4-Chlorotoluene	52.4		"	50.0		105	76-121		1.21	30
Acetone	42.7		"	50.0		85.3	32-173		3.51	30
Benzene	47.9		"	50.0		95.9	83-126		2.24	30
Bromobenzene	54.6		"	50.0		109	70-130		0.698	30
Bromochloromethane	50.0		"	50.0		100	73-128		3.25	30
Bromodichloromethane	53.9		"	50.0		108	74-126		1.33	30
Bromoform	54.2		"	50.0		108	63-137		4.06	30
Bromomethane	56.4		"	50.0		113	24-144		8.88	30
Carbon tetrachloride	48.1		"	50.0		96.3	68-132		2.23	30
Chlorobenzene	47.4		"	50.0		94.9	87-115		1.28	30
Chloroethane	46.0		"	50.0		92.0	39-146		11.4	30
Chloroform	48.9		"	50.0		97.9	84-120		1.71	30
Chloromethane	45.7		"	50.0		91.4	35-153		6.30	30
cis-1,2-Dichloroethylene	47.8		"	50.0		95.7	86-121		2.91	30
cis-1,3-Dichloropropylene	54.4		"	50.0		109	78-122		3.63	30
Dibromochloromethane	50.4		"	50.0		101	41-149		2.86	30
Dibromomethane	49.2		"	50.0		98.5	82-118		3.24	30
Dichlorodifluoromethane	36.8		"	50.0		73.6	52-143		3.34	30
Ethyl Benzene	48.6		"	50.0		97.2	81-118		2.48	30
Hexachlorobutadiene	51.4		"	50.0		103	70-133		5.27	30
Isopropylbenzene	53.2		"	50.0		106	78-122		1.27	30
Methyl tert-butyl ether (MTBE)	50.2		"	50.0		100	62-140		8.13	30
Methylene chloride	48.0		"	50.0		96.0	48-143		0.602	30
Naphthalene	52.4		"	50.0		105	55-160		6.62	30
n-Butylbenzene	51.1		"	50.0		102	71-142		4.26	30
n-Propylbenzene	51.9		"	50.0		104	80-123		2.42	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40575 - EPA 5035A

LCS Dup (BI40575-BSD1)

Prepared & Analyzed: 09/11/2014

o-Xylene	49.8		ug/L	50.0		99.7	81-118		3.10	30	
p- & m- Xylenes	99.2		"	100		99.2	80-120		3.30	30	
p-Isopropyltoluene	50.3		"	50.0		101	83-126		1.20	30	
sec-Butylbenzene	53.0		"	50.0		106	84-123		2.31	30	
Styrene	48.4		"	50.0		96.8	85-115		3.01	30	
tert-Butylbenzene	49.6		"	50.0		99.3	78-122		10.1	30	
Tetrachloroethylene	52.3		"	50.0		105	76-129		0.439	30	
Toluene	49.1		"	50.0		98.2	85-116		2.89	30	
trans-1,2-Dichloroethylene	49.6		"	50.0		99.2	66-136		9.46	30	
trans-1,3-Dichloropropylene	54.0		"	50.0		108	71-128		1.01	30	
Trichloroethylene	51.2		"	50.0		102	83-118		5.42	30	
Trichlorofluoromethane	43.8		"	50.0		87.6	54-141		0.964	30	
Vinyl Chloride	44.4		"	50.0		88.7	38-147		8.02	30	
Vinyl acetate	45.8		"	50.0		91.7	67-136		4.14	30	
Surrogate: 1,2-Dichloroethane-d4	51.7		"	50.0		103	67-130				
Surrogate: p-Bromofluorobenzene	52.4		"	50.0		105	75-127				
Surrogate: Toluene-d8	50.9		"	50.0		102	90-112				

Batch BI40577 - EPA 5035A

Blank (BI40577-BLK1)

Prepared & Analyzed: 09/11/2014

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
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	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	3.5	10	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BI40577 - EPA 5035A**

**Blank (BI40577-BLK1)**

Prepared & Analyzed: 09/11/2014

Bromoform	ND	5.0	ug/kg wet										
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	10	"										
Naphthalene	ND	10	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
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	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>107</i>	<i>67-130</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>53.4</i>		<i>"</i>	<i>50.0</i>		<i>107</i>	<i>75-127</i>						
<i>Surrogate: Toluene-d8</i>	<i>49.6</i>		<i>"</i>	<i>50.0</i>		<i>99.3</i>	<i>90-112</i>						



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BI40577 - EPA 5035A**

**LCS (BI40577-BS1)**

Prepared & Analyzed: 09/11/2014

1,1,1,2-Tetrachloroethane	54.6		ug/L	50.0		109	72-126			
1,1,1-Trichloroethane	56.6		"	50.0		113	74-126			
1,1,2,2-Tetrachloroethane	50.6		"	50.0		101	72-133			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53.9		"	50.0		108	47-160			
1,1,2-Trichloroethane	51.9		"	50.0		104	81-124			
1,1-Dichloroethane	52.3		"	50.0		105	80-125			
1,1-Dichloroethylene	54.6		"	50.0		109	62-136			
1,1-Dichloropropylene	53.6		"	50.0		107	81-121			
1,2,3-Trichlorobenzene	52.9		"	50.0		106	63-154			
1,2,3-Trichloropropane	53.2		"	50.0		106	70-126			
1,2,4-Trichlorobenzene	52.1		"	50.0		104	61-158			
1,2,4-Trimethylbenzene	51.7		"	50.0		103	83-123			
1,2-Dibromo-3-chloropropane	57.5		"	50.0		115	48-152			
1,2-Dibromoethane	53.7		"	50.0		107	81-123			
1,2-Dichlorobenzene	52.3		"	50.0		105	81-117			
1,2-Dichloroethane	54.6		"	50.0		109	67-129			
1,2-Dichloropropane	50.0		"	50.0		100	74-127			
1,3,5-Trimethylbenzene	50.8		"	50.0		102	81-120			
1,3-Dichlorobenzene	51.8		"	50.0		104	84-117			
1,3-Dichloropropane	51.3		"	50.0		103	77-125			
1,4-Dichlorobenzene	52.4		"	50.0		105	85-118			
1,4-Dioxane	688		"	1000		68.8	31-190			
2,2-Dichloropropane	54.4		"	50.0		109	69-129			
2-Butanone	46.2		"	50.0		92.4	58-159			
2-Chlorotoluene	52.1		"	50.0		104	75-123			
4-Chlorotoluene	51.9		"	50.0		104	76-121			
Acetone	42.4		"	50.0		84.8	32-173			
Benzene	52.2		"	50.0		104	83-126			
Bromobenzene	50.9		"	50.0		102	70-130			
Bromochloromethane	51.2		"	50.0		102	73-128			
Bromodichloromethane	56.0		"	50.0		112	74-126			
Bromoform	56.0		"	50.0		112	63-137			
Bromomethane	48.4		"	50.0		96.8	24-144			
Carbon tetrachloride	57.4		"	50.0		115	68-132			
Chlorobenzene	53.9		"	50.0		108	87-115			
Chloroethane	49.4		"	50.0		98.8	39-146			
Chloroform	54.7		"	50.0		109	84-120			
Chloromethane	42.2		"	50.0		84.3	35-153			
cis-1,2-Dichloroethylene	53.1		"	50.0		106	86-121			
cis-1,3-Dichloropropylene	53.0		"	50.0		106	78-122			
Dibromochloromethane	58.9		"	50.0		118	41-149			
Dibromomethane	54.4		"	50.0		109	82-118			
Dichlorodifluoromethane	37.9		"	50.0		75.7	52-143			
Ethyl Benzene	52.8		"	50.0		106	81-118			
Hexachlorobutadiene	54.6		"	50.0		109	70-133			
Isopropylbenzene	51.7		"	50.0		103	78-122			
Methyl tert-butyl ether (MTBE)	53.6		"	50.0		107	62-140			
Methylene chloride	45.6		"	50.0		91.2	48-143			
Naphthalene	53.3		"	50.0		107	55-160			
n-Butylbenzene	52.8		"	50.0		106	71-142			
n-Propylbenzene	51.2		"	50.0		102	80-123			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40577 - EPA 5035A

LCS (BI40577-BS1)

Prepared & Analyzed: 09/11/2014

o-Xylene	54.3		ug/L	50.0		109	81-118				
p- & m- Xylenes	107		"	100		107	80-120				
p-Isopropyltoluene	52.4		"	50.0		105	83-126				
sec-Butylbenzene	52.4		"	50.0		105	84-123				
Styrene	53.9		"	50.0		108	85-115				
tert-Butylbenzene	52.3		"	50.0		105	78-122				
Tetrachloroethylene	54.9		"	50.0		110	76-129				
Toluene	52.4		"	50.0		105	85-116				
trans-1,2-Dichloroethylene	52.4		"	50.0		105	66-136				
trans-1,3-Dichloropropylene	53.3		"	50.0		107	71-128				
Trichloroethylene	53.4		"	50.0		107	83-118				
Trichlorofluoromethane	52.9		"	50.0		106	54-141				
Vinyl Chloride	46.7		"	50.0		93.3	38-147				
Vinyl acetate	48.1		"	50.0		96.2	67-136				
Surrogate: 1,2-Dichloroethane-d4	51.8		"	50.0		104	67-130				
Surrogate: p-Bromofluorobenzene	50.5		"	50.0		101	75-127				
Surrogate: Toluene-d8	49.7		"	50.0		99.3	90-112				

LCS Dup (BI40577-BSD1)

Prepared & Analyzed: 09/11/2014

1,1,1,2-Tetrachloroethane	54.9		ug/L	50.0		110	72-126		0.585	30	
1,1,1-Trichloroethane	57.6		"	50.0		115	74-126		1.58	30	
1,1,2,2-Tetrachloroethane	52.9		"	50.0		106	72-133		4.33	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.6		"	50.0		105	47-160		2.48	30	
1,1,2-Trichloroethane	51.2		"	50.0		102	81-124		1.26	30	
1,1-Dichloroethane	52.4		"	50.0		105	80-125		0.172	30	
1,1-Dichloroethylene	55.6		"	50.0		111	62-136		1.87	30	
1,1-Dichloropropylene	54.0		"	50.0		108	81-121		0.650	30	
1,2,3-Trichlorobenzene	56.4		"	50.0		113	63-154		6.35	30	
1,2,3-Trichloropropane	54.5		"	50.0		109	70-126		2.32	30	
1,2,4-Trichlorobenzene	53.6		"	50.0		107	61-158		2.80	30	
1,2,4-Trimethylbenzene	54.2		"	50.0		108	83-123		4.68	30	
1,2-Dibromo-3-chloropropane	60.0		"	50.0		120	48-152		4.15	30	
1,2-Dibromoethane	53.2		"	50.0		106	81-123		0.842	30	
1,2-Dichlorobenzene	54.7		"	50.0		109	81-117		4.51	30	
1,2-Dichloroethane	56.8		"	50.0		114	67-129		4.06	30	
1,2-Dichloropropane	50.1		"	50.0		100	74-127		0.160	30	
1,3,5-Trimethylbenzene	54.3		"	50.0		109	81-120		6.67	30	
1,3-Dichlorobenzene	53.3		"	50.0		107	84-117		2.93	30	
1,3-Dichloropropane	51.6		"	50.0		103	77-125		0.641	30	
1,4-Dichlorobenzene	54.2		"	50.0		108	85-118		3.19	30	
1,4-Dioxane	613		"	1000		61.3	31-190		11.5	30	
2,2-Dichloropropane	54.0		"	50.0		108	69-129		0.720	30	
2-Butanone	45.2		"	50.0		90.4	58-159		2.19	30	
2-Chlorotoluene	53.0		"	50.0		106	75-123		1.69	30	
4-Chlorotoluene	54.1		"	50.0		108	76-121		4.13	30	
Acetone	41.3		"	50.0		82.6	32-173		2.56	30	
Benzene	52.2		"	50.0		104	83-126		0.0383	30	
Bromobenzene	53.3		"	50.0		107	70-130		4.62	30	
Bromochloromethane	52.6		"	50.0		105	73-128		2.85	30	
Bromodichloromethane	55.2		"	50.0		110	74-126		1.40	30	
Bromoform	59.4		"	50.0		119	63-137		5.91	30	
Bromomethane	51.6		"	50.0		103	24-144		6.42	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40577 - EPA 5035A

LCS Dup (BI40577-BSD1)

Prepared & Analyzed: 09/11/2014

Carbon tetrachloride	58.1		ug/L	50.0		116	68-132		1.30	30	
Chlorobenzene	53.3		"	50.0		107	87-115		1.14	30	
Chloroethane	49.3		"	50.0		98.6	39-146		0.263	30	
Chloroform	54.3		"	50.0		109	84-120		0.734	30	
Chloromethane	42.1		"	50.0		84.2	35-153		0.142	30	
cis-1,2-Dichloroethylene	53.6		"	50.0		107	86-121		0.881	30	
cis-1,3-Dichloropropylene	52.5		"	50.0		105	78-122		0.966	30	
Dibromochloromethane	57.4		"	50.0		115	41-149		2.58	30	
Dibromomethane	53.8		"	50.0		108	82-118		0.998	30	
Dichlorodifluoromethane	37.2		"	50.0		74.4	52-143		1.81	30	
Ethyl Benzene	52.8		"	50.0		106	81-118		0.0379	30	
Hexachlorobutadiene	57.4		"	50.0		115	70-133		4.91	30	
Isopropylbenzene	53.7		"	50.0		107	78-122		3.72	30	
Methyl tert-butyl ether (MTBE)	53.3		"	50.0		107	62-140		0.692	30	
Methylene chloride	45.1		"	50.0		90.2	48-143		1.12	30	
Naphthalene	55.4		"	50.0		111	55-160		3.94	30	
n-Butylbenzene	54.6		"	50.0		109	71-142		3.39	30	
n-Propylbenzene	53.2		"	50.0		106	80-123		3.81	30	
o-Xylene	53.8		"	50.0		108	81-118		0.906	30	
p- & m- Xylenes	106		"	100		106	80-120		0.956	30	
p-Isopropyltoluene	53.6		"	50.0		107	83-126		2.19	30	
sec-Butylbenzene	53.1		"	50.0		106	84-123		1.37	30	
Styrene	53.0		"	50.0		106	85-115		1.83	30	
tert-Butylbenzene	53.4		"	50.0		107	78-122		2.04	30	
Tetrachloroethylene	54.2		"	50.0		108	76-129		1.17	30	
Toluene	51.9		"	50.0		104	85-116		0.786	30	
trans-1,2-Dichloroethylene	52.1		"	50.0		104	66-136		0.689	30	
trans-1,3-Dichloropropylene	53.3		"	50.0		107	71-128		0.0750	30	
Trichloroethylene	53.4		"	50.0		107	83-118		0.112	30	
Trichlorofluoromethane	53.5		"	50.0		107	54-141		1.15	30	
Vinyl Chloride	46.8		"	50.0		93.5	38-147		0.214	30	
Vinyl acetate	47.9		"	50.0		95.8	67-136		0.458	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	52.2		"	50.0		104	67-130				
<i>Surrogate: p-Bromofluorobenzene</i>	51.4		"	50.0		103	75-127				
<i>Surrogate: Toluene-d8</i>	49.0		"	50.0		98.1	90-112				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40472 - EPA 3545A

Blank (BI40472-BLK1)

Prepared: 09/10/2014 Analyzed: 09/11/2014

Acenaphthene	ND	250	ug/kg wet								
Acenaphthylene	ND	250	"								
Aniline	ND	250	"								
Anthracene	ND	250	"								
Benzo(a)anthracene	ND	250	"								
Benzo(a)pyrene	ND	250	"								
Benzo(b)fluoranthene	ND	250	"								
Benzo(g,h,i)perylene	ND	250	"								
Benzo(k)fluoranthene	ND	250	"								
Benzyl alcohol	ND	250	"								
Benzyl butyl phthalate	ND	250	"								
4-Bromophenyl phenyl ether	ND	250	"								
4-Chloro-3-methylphenol	ND	250	"								
4-Chloroaniline	ND	250	"								
Bis(2-chloroethoxy)methane	ND	250	"								
Bis(2-chloroethyl)ether	ND	250	"								
Bis(2-chloroisopropyl)ether	ND	250	"								
2-Chloronaphthalene	ND	250	"								
2-Chlorophenol	ND	250	"								
4-Chlorophenyl phenyl ether	ND	250	"								
Chrysene	ND	250	"								
Dibenzo(a,h)anthracene	ND	250	"								
Dibenzofuran	ND	250	"								
Di-n-butyl phthalate	ND	250	"								
1,3-Dichlorobenzene	ND	250	"								
1,4-Dichlorobenzene	ND	250	"								
1,2-Dichlorobenzene	ND	250	"								
3,3'-Dichlorobenzidine	ND	500	"								
2,4-Dichlorophenol	ND	250	"								
Diethyl phthalate	ND	250	"								
2,4-Dimethylphenol	ND	250	"								
Dimethyl phthalate	ND	250	"								
4,6-Dinitro-2-methylphenol	ND	250	"								
2,4-Dinitrophenol	ND	500	"								
2,4-Dinitrotoluene	ND	250	"								
2,6-Dinitrotoluene	ND	250	"								
Di-n-octyl phthalate	ND	250	"								
Bis(2-ethylhexyl)phthalate	ND	250	"								
Fluoranthene	ND	250	"								
Fluorene	ND	250	"								
Hexachlorobenzene	ND	250	"								
Hexachlorobutadiene	ND	250	"								
Hexachlorocyclopentadiene	ND	250	"								
Hexachloroethane	ND	250	"								
Indeno(1,2,3-cd)pyrene	ND	250	"								
Isophorone	ND	250	"								
2-Methylnaphthalene	ND	250	"								
2-Methylphenol	ND	250	"								
3- & 4-Methylphenols	ND	250	"								
Naphthalene	ND	250	"								
3-Nitroaniline	ND	250	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40472 - EPA 3545A**

**Blank (BI40472-BLK1)**

Prepared: 09/10/2014 Analyzed: 09/11/2014

2-Nitroaniline	ND	250	ug/kg wet								
4-Nitroaniline	ND	250	"								
Nitrobenzene	ND	250	"								
2-Nitrophenol	ND	250	"								
4-Nitrophenol	ND	250	"								
N-nitroso-di-n-propylamine	ND	250	"								
N-Nitrosodimethylamine	ND	250	"								
N-Nitrosodiphenylamine	ND	250	"								
Pentachlorophenol	ND	250	"								
Phenanthrene	ND	250	"								
Phenol	ND	250	"								
Pyrene	ND	250	"								
Pyridine	ND	250	"								
1,2,4-Trichlorobenzene	ND	250	"								
2,4,6-Trichlorophenol	ND	250	"								
2,4,5-Trichlorophenol	ND	250	"								
<i>Surrogate: 2-Fluorophenol</i>	<i>1800</i>		<i>"</i>	<i>3760</i>		<i>47.7</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>1900</i>		<i>"</i>	<i>3760</i>		<i>50.5</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1130</i>		<i>"</i>	<i>2510</i>		<i>45.2</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1130</i>		<i>"</i>	<i>2500</i>		<i>45.4</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1690</i>		<i>"</i>	<i>3760</i>		<i>45.1</i>	<i>10-150</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1170</i>		<i>"</i>	<i>2510</i>		<i>46.6</i>	<i>10-137</i>				

**LCS (BI40472-BS1)**

Prepared: 09/10/2014 Analyzed: 09/11/2014

Acenaphthene	1500	250	ug/kg wet	2500		59.8	17-124				
Acenaphthylene	1460	250	"	2500		58.3	16-124				
Aniline	1320	250	"	2500		53.0	10-111				
Anthracene	1440	250	"	2500		57.6	24-124				
Benzo(a)anthracene	1530	250	"	2500		61.3	25-134				
Benzo(a)pyrene	1730	250	"	2500		69.3	29-144				
Benzo(b)fluoranthene	1540	250	"	2500		61.6	20-151				
Benzo(g,h,i)perylene	2310	250	"	2500		92.4	10-153				
Benzo(k)fluoranthene	1490	250	"	2500		59.4	10-148				
Benzyl alcohol	1460	250	"	2500		58.4	17-128				
Benzyl butyl phthalate	1640	250	"	2500		65.4	10-132				
4-Bromophenyl phenyl ether	1230	250	"	2500		49.4	30-138				
4-Chloro-3-methylphenol	1170	250	"	2500		46.8	16-138				
4-Chloroaniline	1200	250	"	2500		47.9	10-117				
Bis(2-chloroethoxy)methane	1240	250	"	2500		49.7	10-129				
Bis(2-chloroethyl)ether	1420	250	"	2500		56.8	14-125				
Bis(2-chloroisopropyl)ether	1520	250	"	2500		60.7	14-122				
2-Chloronaphthalene	1480	250	"	2500		59.0	22-115				
2-Chlorophenol	1310	250	"	2500		52.4	25-121				
4-Chlorophenyl phenyl ether	1380	250	"	2500		55.2	18-132				
Chrysene	1540	250	"	2500		61.5	24-116				
Dibenzo(a,h)anthracene	2090	250	"	2500		83.7	17-147				
Dibenzofuran	1340	250	"	2500		53.5	23-123				
Di-n-butyl phthalate	1350	250	"	2500		54.1	19-123				
1,3-Dichlorobenzene	1240	250	"	2500		49.4	32-113				
1,4-Dichlorobenzene	1220	250	"	2500		48.8	28-111				
1,2-Dichlorobenzene	1240	250	"	2500		49.5	26-113				



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc.

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

**Batch BI40472 - EPA 3545A**

**LCS (BI40472-BS1)**

Prepared: 09/10/2014 Analyzed: 09/11/2014

3,3'-Dichlorobenzidine	1640	500	ug/kg wet	2500		65.6	10-147		
2,4-Dichlorophenol	1110	250	"	2500		44.5	23-133		
Diethyl phthalate	1480	250	"	2500		59.4	23-122		
2,4-Dimethylphenol	1190	250	"	2500		47.7	15-131		
Dimethyl phthalate	1560	250	"	2500		62.2	28-127		
4,6-Dinitro-2-methylphenol	1140	250	"	2500		45.7	10-149		
2,4-Dinitrophenol	1320	500	"	2500		52.8	10-149		
2,4-Dinitrotoluene	1600	250	"	2500		64.2	30-123		
2,6-Dinitrotoluene	1490	250	"	2500		59.6	30-125		
Di-n-octyl phthalate	1750	250	"	2500		70.0	10-132		
Bis(2-ethylhexyl)phthalate	1540	250	"	2500		61.7	10-141		
Fluoranthene	1340	250	"	2500		53.6	36-125		
Fluorene	1500	250	"	2500		60.1	16-130		
Hexachlorobenzene	1270	250	"	2500		50.9	10-129		
Hexachlorobutadiene	1090	250	"	2500		43.7	22-153		
Hexachlorocyclopentadiene	1030	250	"	2500		41.3	10-134		
Hexachloroethane	1250	250	"	2500		50.0	20-112		
Indeno(1,2,3-cd)pyrene	2020	250	"	2500		81.0	10-155		
Isophorone	1310	250	"	2500		52.5	14-131		
2-Methylnaphthalene	1190	250	"	2500		47.6	16-127		
2-Methylphenol	1160	250	"	2500		46.3	10-146		
3- & 4-Methylphenols	1180	250	"	2500		47.2	20-109		
Naphthalene	1270	250	"	2500		50.7	20-121		
3-Nitroaniline	1250	250	"	2500		49.9	23-123		
2-Nitroaniline	1510	250	"	2500		60.3	24-126		
4-Nitroaniline	1390	250	"	2500		55.7	14-125		
Nitrobenzene	1210	250	"	2500		48.3	20-121		
2-Nitrophenol	1070	250	"	2500		42.8	17-129		
4-Nitrophenol	1430	250	"	2500		57.3	10-136		
N-nitroso-di-n-propylamine	1410	250	"	2500		56.5	21-119		
N-Nitrosodimethylamine	1360	250	"	2500		54.5	10-124		
N-Nitrosodiphenylamine	1330	250	"	2500		53.2	10-163		
Pentachlorophenol	1180	250	"	2500		47.3	10-143		
Phenanthrene	1430	250	"	2500		57.2	24-123		
Phenol	1200	250	"	2500		47.9	15-123		
Pyrene	1610	250	"	2500		64.5	24-132		
Pyridine	516	250	"	2500		20.7	10-92		
1,2,4-Trichlorobenzene	1090	250	"	2500		43.5	23-130		
2,4,6-Trichlorophenol	1200	250	"	2500		47.9	27-122		
2,4,5-Trichlorophenol	1290	250	"	2500		51.8	14-138		
<i>Surrogate: 2-Fluorophenol</i>	<i>1760</i>		<i>"</i>	<i>3760</i>		<i>46.8</i>	<i>10-105</i>		
<i>Surrogate: Phenol-d5</i>	<i>1740</i>		<i>"</i>	<i>3760</i>		<i>46.3</i>	<i>10-118</i>		
<i>Surrogate: Nitrobenzene-d5</i>	<i>1050</i>		<i>"</i>	<i>2510</i>		<i>41.9</i>	<i>10-140</i>		
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1090</i>		<i>"</i>	<i>2500</i>		<i>43.5</i>	<i>10-126</i>		
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1650</i>		<i>"</i>	<i>3760</i>		<i>43.9</i>	<i>30-130</i>		
<i>Surrogate: Terphenyl-d14</i>	<i>1220</i>		<i>"</i>	<i>2510</i>		<i>48.8</i>	<i>10-137</i>		



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI40472 - EPA 3545A</b>											
<b>LCS Dup (BI40472-BSD1)</b>											
Prepared: 09/10/2014 Analyzed: 09/11/2014											
Acenaphthene	1520	250	ug/kg wet	2500		60.8	17-124		1.66	30	
Acenaphthylene	1450	250	"	2500		58.0	16-124		0.447	30	
Aniline	1440	250	"	2500		57.7	10-111		8.50	30	
Anthracene	1520	250	"	2500		60.9	24-124		5.57	30	
Benzo(a)anthracene	1610	250	"	2500		64.3	25-134		4.68	30	
Benzo(a)pyrene	1550	250	"	2500		61.8	29-144		11.4	30	
Benzo(b)fluoranthene	1490	250	"	2500		59.4	20-151		3.57	30	
Benzo(g,h,i)perylene	1250	250	"	2500		50.2	10-153		59.3	30	Non-dir.
Benzo(k)fluoranthene	1410	250	"	2500		56.6	10-148		4.93	30	
Benzyl alcohol	1500	250	"	2500		60.0	17-128		2.70	30	
Benzyl butyl phthalate	1710	250	"	2500		68.2	10-132		4.19	30	
4-Bromophenyl phenyl ether	1380	250	"	2500		55.3	30-138		11.4	30	
4-Chloro-3-methylphenol	1220	250	"	2500		48.6	16-138		3.81	30	
4-Chloroaniline	1250	250	"	2500		49.9	10-117		3.93	30	
Bis(2-chloroethoxy)methane	1310	250	"	2500		52.6	10-129		5.51	30	
Bis(2-chloroethyl)ether	1550	250	"	2500		61.8	14-125		8.50	30	
Bis(2-chloroisopropyl)ether	1700	250	"	2500		67.9	14-122		11.1	30	
2-Chloronaphthalene	1500	250	"	2500		59.9	22-115		1.55	30	
2-Chlorophenol	1380	250	"	2500		55.4	25-121		5.49	30	
4-Chlorophenyl phenyl ether	1430	250	"	2500		57.2	18-132		3.67	30	
Chrysene	1650	250	"	2500		65.9	24-116		6.84	30	
Dibenzo(a,h)anthracene	1400	250	"	2500		56.1	17-147		39.5	30	Non-dir.
Dibenzofuran	1420	250	"	2500		56.9	23-123		6.12	30	
Di-n-butyl phthalate	1500	250	"	2500		59.8	19-123		10.0	30	
1,3-Dichlorobenzene	1360	250	"	2500		54.2	32-113		9.23	30	
1,4-Dichlorobenzene	1360	250	"	2500		54.6	28-111		11.1	30	
1,2-Dichlorobenzene	1350	250	"	2500		54.2	26-113		9.03	30	
3,3'-Dichlorobenzidine	1710	500	"	2500		68.4	10-147		4.15	30	
2,4-Dichlorophenol	1180	250	"	2500		47.0	23-133		5.51	30	
Diethyl phthalate	1620	250	"	2500		64.9	23-122		8.88	30	
2,4-Dimethylphenol	1240	250	"	2500		49.6	15-131		3.74	30	
Dimethyl phthalate	1690	250	"	2500		67.7	28-127		8.49	30	
4,6-Dinitro-2-methylphenol	1340	250	"	2500		53.7	10-149		16.0	30	
2,4-Dinitrophenol	1360	500	"	2500		54.2	10-149		2.65	30	
2,4-Dinitrotoluene	1700	250	"	2500		68.0	30-123		5.78	30	
2,6-Dinitrotoluene	1610	250	"	2500		64.5	30-125		7.90	30	
Di-n-octyl phthalate	1720	250	"	2500		68.7	10-132		1.88	30	
Bis(2-ethylhexyl)phthalate	1620	250	"	2500		64.7	10-141		4.75	30	
Fluoranthene	1420	250	"	2500		56.9	36-125		5.94	30	
Fluorene	1550	250	"	2500		61.8	16-130		2.85	30	
Hexachlorobenzene	1370	250	"	2500		54.9	10-129		7.52	30	
Hexachlorobutadiene	1240	250	"	2500		49.8	22-153		13.0	30	
Hexachlorocyclopentadiene	1180	250	"	2500		47.1	10-134		13.3	30	
Hexachloroethane	1390	250	"	2500		55.7	20-112		10.7	30	
Indeno(1,2,3-cd)pyrene	1310	250	"	2500		52.3	10-155		42.9	30	Non-dir.
Isophorone	1420	250	"	2500		56.9	14-131		7.97	30	
2-Methylnaphthalene	1260	250	"	2500		50.4	16-127		5.72	30	
2-Methylphenol	1290	250	"	2500		51.6	10-146		10.7	30	
3- & 4-Methylphenols	1300	250	"	2500		52.1	20-109		9.86	30	
Naphthalene	1420	250	"	2500		56.7	20-121		11.2	30	
3-Nitroaniline	1370	250	"	2500		54.8	23-123		9.32	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40472 - EPA 3545A

LCS Dup (BI40472-BSD1)

Prepared: 09/10/2014 Analyzed: 09/11/2014

2-Nitroaniline	1610	250	ug/kg wet	2500		64.4	24-126		6.51	30	
4-Nitroaniline	1400	250	"	2500		55.9	14-125		0.251	30	
Nitrobenzene	1330	250	"	2500		53.2	20-121		9.70	30	
2-Nitrophenol	1180	250	"	2500		47.2	17-129		9.82	30	
4-Nitrophenol	1510	250	"	2500		60.5	10-136		5.47	30	
N-nitroso-di-n-propylamine	1510	250	"	2500		60.4	21-119		6.71	30	
N-Nitrosodimethylamine	1590	250	"	2500		63.4	10-124		15.1	30	
N-Nitrosodiphenylamine	1450	250	"	2500		58.2	10-163		8.87	30	
Pentachlorophenol	1290	250	"	2500		51.5	10-143		8.54	30	
Phenanthrene	1590	250	"	2500		63.5	24-123		10.5	30	
Phenol	1290	250	"	2500		51.5	15-123		7.28	30	
Pyrene	1750	250	"	2500		70.0	24-132		8.24	30	
Pyridine	858	250	"	2500		34.3	10-92		49.6	30	Non-dir.
1,2,4-Trichlorobenzene	1180	250	"	2500		47.0	23-130		7.87	30	
2,4,6-Trichlorophenol	1280	250	"	2500		51.4	27-122		7.05	30	
2,4,5-Trichlorophenol	1340	250	"	2500		53.5	14-138		3.27	30	
Surrogate: 2-Fluorophenol	1840		"	3760		48.9	10-105				
Surrogate: Phenol-d5	1830		"	3760		48.7	10-118				
Surrogate: Nitrobenzene-d5	1080		"	2510		43.2	10-140				
Surrogate: 2-Fluorobiphenyl	1120		"	2500		44.8	10-126				
Surrogate: 2,4,6-Tribromophenol	1670		"	3760		44.4	30-130				
Surrogate: Terphenyl-d14	1220		"	2510		48.6	10-137				

Matrix Spike (BI40472-MS1)

\*Source sample: 14I0350-01 (SP-1 (0-2))

Prepared: 09/10/2014 Analyzed: 09/11/2014

Acenaphthene	1960	272	ug/kg dry	2720	ND	71.9	13-133				
Acenaphthylene	1870	272	"	2720	ND	68.7	25-125				
Aniline	1400	272	"	2720	ND	51.2	10-112				
Anthracene	1830	272	"	2720	ND	67.3	27-128				
Benzo(a)anthracene	2160	272	"	2720	157	73.5	20-147				
Benzo(a)pyrene	1380	272	"	2720	73.5	48.0	18-153				
Benzo(b)fluoranthene	1290	272	"	2720	70.3	44.7	10-163				
Benzo(g,h,i)perylene	943	272	"	2720	ND	34.6	10-157				
Benzo(k)fluoranthene	1400	272	"	2720	91.0	48.2	10-157				
Benzyl alcohol	1840	272	"	2720	ND	67.7	20-122				
Benzyl butyl phthalate	2030	272	"	2720	ND	74.6	10-129				
4-Bromophenyl phenyl ether	1630	272	"	2720	ND	59.8	32-148				
4-Chloro-3-methylphenol	1540	272	"	2720	ND	56.5	14-138				
4-Chloroaniline	1530	272	"	2720	ND	56.4	10-124				
Bis(2-chloroethoxy)methane	1610	272	"	2720	ND	59.2	12-128				
Bis(2-chloroethyl)ether	1500	272	"	2720	ND	55.0	18-113				
Bis(2-chloroisopropyl)ether	2040	272	"	2720	ND	74.9	10-130				
2-Chloronaphthalene	1810	272	"	2720	ND	66.6	31-116				
2-Chlorophenol	1690	272	"	2720	ND	62.2	28-114				
4-Chlorophenyl phenyl ether	1720	272	"	2720	ND	63.2	10-153				
Chrysene	1970	272	"	2720	157	66.4	18-133				
Dibenzo(a,h)anthracene	1050	272	"	2720	ND	38.5	10-146				
Dibenzofuran	1830	272	"	2720	ND	67.3	26-134				
Di-n-butyl phthalate	1650	272	"	2720	ND	60.5	20-128				
1,3-Dichlorobenzene	1560	272	"	2720	ND	57.3	34-100				
1,4-Dichlorobenzene	1590	272	"	2720	ND	58.2	26-107				
1,2-Dichlorobenzene	1570	272	"	2720	ND	57.8	29-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40472 - EPA 3545A

Matrix Spike (BI40472-MS1)

\*Source sample: 14I0350-01 (SP-1 (0-2))

Prepared: 09/10/2014 Analyzed: 09/11/2014

3,3'-Dichlorobenzidine	1160	544	ug/kg dry	2720	ND	42.7	10-134				
2,4-Dichlorophenol	1400	272	"	2720	ND	51.4	16-144				
Diethyl phthalate	1780	272	"	2720	ND	65.5	30-119				
2,4-Dimethylphenol	1290	272	"	2720	ND	47.5	11-133				
Dimethyl phthalate	1880	272	"	2720	ND	69.2	34-120				
4,6-Dinitro-2-methylphenol	1190	272	"	2720	ND	43.8	10-149				
2,4-Dinitrophenol	1040	545	"	2720	ND	38.4	10-132				
2,4-Dinitrotoluene	1940	272	"	2720	ND	71.2	42-113				
2,6-Dinitrotoluene	1910	272	"	2720	ND	70.0	36-124				
Di-n-octyl phthalate	1790	272	"	2720	ND	65.8	10-133				
Bis(2-ethylhexyl)phthalate	2050	272	"	2720	ND	75.1	10-138				
Fluoranthene	2060	272	"	2720	303	64.5	10-155				
Fluorene	1870	272	"	2720	ND	68.6	12-150				
Hexachlorobenzene	1610	272	"	2720	ND	59.2	16-142				
Hexachlorobutadiene	1410	272	"	2720	ND	51.9	11-150				
Hexachlorocyclopentadiene	1310	272	"	2720	ND	48.3	10-115				
Hexachloroethane	1610	272	"	2720	ND	59.2	14-106				
Indeno(1,2,3-cd)pyrene	1040	272	"	2720	ND	38.1	10-155				
Isophorone	1690	272	"	2720	ND	62.1	14-127				
2-Methylnaphthalene	1500	272	"	2720	ND	55.3	10-143				
2-Methylphenol	1530	272	"	2720	ND	56.4	10-160				
3- & 4-Methylphenols	1560	272	"	2720	ND	57.3	16-115				
Naphthalene	1710	272	"	2720	ND	62.8	15-132				
3-Nitroaniline	1810	272	"	2720	ND	66.6	24-128				
2-Nitroaniline	1930	272	"	2720	ND	71.0	33-122				
4-Nitroaniline	1740	272	"	2720	ND	63.8	10-151				
Nitrobenzene	1610	272	"	2720	ND	59.1	18-125				
2-Nitrophenol	1290	272	"	2720	ND	47.4	12-127				
4-Nitrophenol	1580	272	"	2720	ND	57.9	10-141				
N-nitroso-di-n-propylamine	1700	272	"	2720	ND	62.6	23-115				
N-Nitrosodimethylamine	1710	272	"	2720	ND	62.7	10-123				
N-Nitrosodiphenylamine	1570	272	"	2720	ND	57.8	16-166				
Pentachlorophenol	1380	272	"	2720	ND	50.8	10-160				
Phenanthrene	2150	272	"	2720	227	70.5	10-151				
Phenol	1530	272	"	2720	ND	56.1	11-124				
Pyrene	2490	272	"	2720	282	81.2	13-148				
Pyridine	381	272	"	2720	ND	14.0	10-125				
1,2,4-Trichlorobenzene	1390	272	"	2720	ND	51.1	15-139				
2,4,6-Trichlorophenol	1580	272	"	2720	ND	57.9	12-138				
2,4,5-Trichlorophenol	1580	272	"	2720	ND	58.0	10-148				
Surrogate: 2-Fluorophenol	2130		"	4100		51.9	10-105				
Surrogate: Phenol-d5	2260		"	4100		55.2	10-118				
Surrogate: Nitrobenzene-d5	1310		"	2730		47.8	10-140				
Surrogate: 2-Fluorobiphenyl	1370		"	2720		50.3	10-126				
Surrogate: 2,4,6-Tribromophenol	1970		"	4090		48.1	30-130				
Surrogate: Terphenyl-d14	1620		"	2730		59.2	10-137				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BI40468 - EPA 3545A**

**Blank (BI40468-BLK1)**

Prepared: 09/10/2014 Analyzed: 09/12/2014

4,4'-DDD	ND	0.495	ug/kg wet								
4,4'-DDE	ND	0.495	"								
4,4'-DDT	ND	0.495	"								
Aldrin	ND	0.495	"								
alpha-BHC	ND	0.495	"								
beta-BHC	ND	0.495	"								
Chlordane, total	ND	19.8	"								
gamma-Chlordane	ND	0.495	"								
delta-BHC	ND	0.495	"								
Dieldrin	ND	0.495	"								
Endosulfan I	ND	0.495	"								
Endosulfan II	ND	0.495	"								
Endosulfan sulfate	ND	0.495	"								
Endrin	ND	0.495	"								
Endrin aldehyde	ND	0.495	"								
Endrin ketone	ND	0.495	"								
gamma-BHC (Lindane)	ND	0.495	"								
Heptachlor	ND	0.495	"								
Heptachlor epoxide	ND	0.495	"								
alpha-Chlordane	ND	0.495	"								
Methoxychlor	ND	2.48	"								
Toxaphene	ND	25.0	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	73.6		"	100		73.6		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	59.7		"	100		59.7		30-140			

**LCS (BI40468-BS1)**

Prepared: 09/10/2014 Analyzed: 09/12/2014

4,4'-DDD	28.4	0.495	ug/kg wet	50.0		56.9		40-140			
4,4'-DDE	28.2	0.495	"	50.0		56.5		40-140			
4,4'-DDT	33.9	0.495	"	50.0		67.8		40-140			
Aldrin	26.8	0.495	"	50.0		53.7		40-140			
alpha-BHC	28.3	0.495	"	50.0		56.5		40-140			
beta-BHC	29.7	0.495	"	50.0		59.4		40-140			
gamma-Chlordane	25.2	0.495	"	50.0		50.4		40-140			
delta-BHC	28.1	0.495	"	50.0		56.1		40-140			
Dieldrin	26.9	0.495	"	50.0		53.8		40-140			
Endosulfan I	25.0	0.495	"	50.0		50.0		40-140			
Endosulfan II	24.0	0.495	"	50.0		48.0		40-140			
Endosulfan sulfate	20.8	0.495	"	50.0		41.5		40-140			
Endrin	26.2	0.495	"	50.0		52.5		40-140			
Endrin aldehyde	24.8	0.495	"	50.0		49.6		40-140			
Endrin ketone	26.4	0.495	"	50.0		52.7		40-140			
gamma-BHC (Lindane)	27.6	0.495	"	50.0		55.3		40-140			
Heptachlor	21.9	0.495	"	50.0		43.8		40-140			
Heptachlor epoxide	25.0	0.495	"	50.0		50.0		40-140			
alpha-Chlordane	24.2	0.495	"	50.0		48.4		40-140			
Methoxychlor	31.5	2.48	"	50.0		63.0		40-140			
<i>Surrogate: Tetrachloro-m-xylene</i>	71.8		"	100		71.8		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	60.9		"	100		60.9		30-140			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI40468 - EPA 3545A</b>											
<b>LCS Dup (BI40468-BSD1)</b>											
						Prepared: 09/10/2014 Analyzed: 09/12/2014					
4,4'-DDD	31.4	0.495	ug/kg wet	50.0		62.8	40-140		9.92	30	
4,4'-DDE	30.8	0.495	"	50.0		61.6	40-140		8.70	30	
4,4'-DDT	37.7	0.495	"	50.0		75.4	40-140		10.6	30	
Aldrin	28.6	0.495	"	50.0		57.1	40-140		6.22	30	
alpha-BHC	30.1	0.495	"	50.0		60.1	40-140		6.12	30	
beta-BHC	31.5	0.495	"	50.0		63.0	40-140		5.92	30	
gamma-Chlordane	27.2	0.495	"	50.0		54.3	40-140		7.54	30	
delta-BHC	30.2	0.495	"	50.0		60.5	40-140		7.42	30	
Dieldrin	29.0	0.495	"	50.0		57.9	40-140		7.32	30	
Endosulfan I	26.9	0.495	"	50.0		53.8	40-140		7.36	30	
Endosulfan II	26.3	0.495	"	50.0		52.5	40-140		9.05	30	
Endosulfan sulfate	23.2	0.495	"	50.0		46.4	40-140		11.1	30	
Endrin	28.3	0.495	"	50.0		56.7	40-140		7.68	30	
Endrin aldehyde	27.4	0.495	"	50.0		54.7	40-140		9.72	30	
Endrin ketone	29.2	0.495	"	50.0		58.5	40-140		10.3	30	
gamma-BHC (Lindane)	29.5	0.495	"	50.0		58.9	40-140		6.36	30	
Heptachlor	23.1	0.495	"	50.0		46.2	40-140		5.24	30	
Heptachlor epoxide	26.8	0.495	"	50.0		53.5	40-140		6.84	30	
alpha-Chlordane	26.3	0.495	"	50.0		52.6	40-140		8.31	30	
Methoxychlor	42.4	2.48	"	50.0		84.7	40-140		29.3	30	
Surrogate: Tetrachloro-m-xylene	75.5		"	100		75.5	30-140				
Surrogate: Decachlorobiphenyl	70.1		"	100		70.1	30-140				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI40468 - EPA 3545A</b>											
<b>Blank (BI40468-BLK1)</b>										Prepared: 09/10/2014 Analyzed: 09/11/2014	
Aroclor 1016	ND	0.0250	mg/kg wet								
Aroclor 1221	ND	0.0250	"								
Aroclor 1232	ND	0.0250	"								
Aroclor 1242	ND	0.0250	"								
Aroclor 1248	ND	0.0250	"								
Aroclor 1254	ND	0.0250	"								
Aroclor 1260	ND	0.0250	"								
Total PCBs	ND	0.0250	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0840		"	0.100		84.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0645		"	0.100		64.5	30-140				
<b>LCS (BI40468-BS2)</b>										Prepared: 09/10/2014 Analyzed: 09/11/2014	
Aroclor 1016	0.448	0.0250	mg/kg wet	0.500		89.5	40-130				
Aroclor 1260	0.394	0.0250	"	0.500		78.8	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0890		"	0.100		89.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0730		"	0.100		73.0	30-140				
<b>LCS Dup (BI40468-BSD2)</b>										Prepared: 09/10/2014 Analyzed: 09/11/2014	
Aroclor 1016	0.436	0.0250	mg/kg wet	0.500		87.1	40-130		2.74	25	
Aroclor 1260	0.392	0.0250	"	0.500		78.4	40-130		0.560	25	
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0875		"	0.100		87.5	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0735		"	0.100		73.5	30-140				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40479 - EPA 3050B**

**Blank (BI40479-BLK1)**

Prepared & Analyzed: 09/10/2014

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

**Reference (BI40479-SRM1)**

Prepared & Analyzed: 09/10/2014

Aluminum	8150	1.00	mg/kg wet	9390		86.8	43.5-157				
Antimony	192	0.500	"	129		149	22.4-250				
Arsenic	81.6	1.00	"	88.4		92.3	69-131				
Barium	201	1.00	"	210		95.6	73.3-127				
Beryllium	53.2	0.100	"	55.8		95.4	73.1-127				
Cadmium	131	0.300	"	142		92.2	73.2-128				
Calcium	6940	5.00	"	7530		92.2	74.6-125				
Chromium	79.4	0.500	"	86.8		91.5	69.1-131				
Cobalt	190	0.500	"	199		95.5	74.4-126				
Copper	268	0.500	"	268		99.8	76.1-124				
Iron	12300	2.00	"	12800		95.8	31.6-168				
Lead	86.9	0.300	"	97.9		88.7	70.8-129				
Magnesium	2560	5.00	"	2850		90.0	65.3-135				
Manganese	404	0.500	"	425		95.0	76.2-124				
Nickel	237	0.500	"	236		100	74.2-128				
Potassium	2270	5.00	"	2570		88.3	61.1-139				
Selenium	121	1.00	"	127		95.3	66.6-134				
Silver	59.2	0.500	"	66.2		89.4	67.1-133				
Sodium	1010	10.0	"	1040		96.8	60.4-139				
Thallium	123	1.00	"	140		87.8	68.3-132				
Vanadium	146	1.00	"	156		93.4	71.8-129				
Zinc	117	1.00	"	161		72.8	66.9-133				



**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
<b>Batch BI40463 - EPA 7473 soil</b>											
<b>Blank (BI40463-BLK1)</b>											
											Prepared & Analyzed: 09/10/2014
Mercury	ND	0.0300	mg/kg wet								
<b>Reference (BI40463-SRM1)</b>											
											Prepared & Analyzed: 09/10/2014
Mercury	3.0402		mg/kg	3.73		81.5	68.6-131				



**Miscellaneous Physical Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40494 - % Solids Prep**

<b>Duplicate (BI40494-DUP1)</b>	*Source sample: 14I0350-05 (SP-5 (0-2))						Prepared: 09/10/2014 Analyzed: 09/11/2014				
% Solids	87.6	0.100	%		91.2				3.99	20	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI40591 - EPA SW846-3060</b>											
<b>Blank (BI40591-BLK1)</b>											
Prepared & Analyzed: 09/12/2014											
Chromium, Hexavalent	ND	0.500	mg/kg wet								
<b>Reference (BI40591-SRM1)</b>											
Prepared & Analyzed: 09/12/2014											
Chromium, Hexavalent	174		mg/L	125		139	20.2-180				



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14I0350-01	SP-1 (0-2)	40mL Vial with Stir Bar-Cool 4° C
14I0350-02	SP-2 (0-2)	40mL Vial with Stir Bar-Cool 4° C
14I0350-03	SP-3 (0-2)	40mL Vial with Stir Bar-Cool 4° C
14I0350-04	SP-4 (0-2)	40mL Vial with Stir Bar-Cool 4° C
14I0350-05	SP-5 (0-2)	40mL Vial with Stir Bar-Cool 4° C
14I0350-06	SP-1 (20-22)	40mL Vial with Stir Bar-Cool 4° C
14I0350-07	SP-2 (6-8)	40mL Vial with Stir Bar-Cool 4° C
14I0350-08	SP-3 (4-6)	40mL Vial with Stir Bar-Cool 4° C
14I0350-09	SP-4 (4-6)	40mL Vial with Stir Bar-Cool 4° C
14I0350-10	SP-5 (4-6)	40mL Vial with Stir Bar-Cool 4° C



## Notes and Definitions

M-LSRD	Original sample conc <50 X reporting limit.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ISTD-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for quadratic fit).
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.
<hr/>	
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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



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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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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. 14I0350

<b>YOUR Information</b>		<b>Report To:</b>	<b>Invoice To:</b>	<b>YOUR Project ID</b>	<b>Turn-Around Time</b>	<b>Report Type</b>
Company: <u>Hydro Tech Environmental</u>	Company:	Company:	Company:	<u>140745</u>	RUSH - Same Day <input type="checkbox"/>	Summary Report <input type="checkbox"/>
Address: <u>27 Arkady Dr</u>	Address:	Address:	Address:		RUSH - Next Day <input type="checkbox"/>	Summary w/ QA Summary <input type="checkbox"/>
Phone No. <u>631-462-5866</u>	Phone No. <u>→</u>	Phone No.:	Phone No.:	<b>Purchase Order No.</b>	RUSH - Two Day <input type="checkbox"/>	CT RCP Package <input type="checkbox"/>
Contact Person: <u>Erica Johnston</u>	Attention: <u>Erica Johnston</u>	Attention: <u>Muslima Ward</u>	Attention: <u>Muslima Ward</u>	<u>6084</u>	RUSH - Three Day <input type="checkbox"/>	CTRCP DQA/DUE Pkg <input type="checkbox"/>
E-Mail Address: <u>ejohnst@hydrotechenvironmental.com</u>	E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT <input checked="" type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>	RUSH - Four Day <input type="checkbox"/>	NY ASP A Package <input type="checkbox"/>
					<b>Standard(5-7 Days)</b> <input checked="" type="checkbox"/>	NJDEP Red. Deliv. <input type="checkbox"/>

**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.**

E Johnston  
Samples Collected/Authorized By (Signature)  
Erica Johnston  
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.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	Reactivity
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Ignitability
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Flash Point
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Sieve Anal.
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Heterotrophs
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	TOX
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	BTU/lb.
Halog. only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	Aquatic Tox.
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	TOC
8021B list	SPLP or TCLP	608 PCB			Helium	Asbestos
						Silica

- 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 fill in):

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SP-1 (0-2)	9/3/14	S	8260, 8270, Pest/PCBs, TAL metals, Hex/tri. Chrom	1 TerraCore, 1802 jar
SP-2 (0-2)	9/4/14	S		
SP-3 (0-2)	9/5/14	S		
SP-4 (0-2)	9/5/14	S		
SP-5 (0-2)	9/5/14	S		1 TerraCore, 1802
SP-1 (20-22)	9/3/14	S		1 TerraCore 1802
SP-2 (6-8)	9/4/14	S		ITC, 1802
SP-3 (4-6)	9/5/14	S		ITC, 1802
SP-4 (4-6)	9/5/14	S		ITC, 1802
SP-5 (4-6)	9/5/14	S		ITC, 1802

**Comments**

Preservation: 4°C  Frozen  HCl  MeOH  HNO<sub>3</sub>  H<sub>2</sub>SO<sub>4</sub>  NaOH

Check those Applicable: ZnAc  Ascorbic Acid  Other

Special Instructions: 11:45 AM

Field Filtered  Lab to Filter

Samples Relinquished By: [Signature] Date/Time: 9/8/14 11:45 AM

Samples Relinquished By: [Signature] Date/Time: 9-8-14 AM

Samples Received By: [Signature] Date/Time: 9/8/14 12:15

Samples Received in LAB by: [Signature] Date/Time: 9/8/14 12:15

Temperature on Receipt: 11.45

# Appendix G



# Technical Report

prepared for:

**Hydro Tech Environmental (Hauppauge)**  
77 Arkay Drive, Suite G  
Hauppauge NY, 11788  
**Attention: Rebecca Devaney**

Report Date: 09/19/2014  
**Client Project ID: 140145**  
York Project (SDG) No.: 14I0590

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/19/2014  
Client Project ID: 140145  
York Project (SDG) No.: 14I0590

**Hydro Tech Environmental (Hauppauge)**  
77 Arkay Drive, Suite G  
Hauppauge NY, 11788  
Attention: Rebecca Devaney

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## 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 September 15, 2014 and listed below. The project was identified as your project: **140145**.

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14I0590-01	SP6 (0-2)	Soil	09/11/2014	09/15/2014
14I0590-02	SP7 (10-12)	Soil	09/11/2014	09/15/2014
14I0590-03	SP8 (0-2)	Soil	09/12/2014	09/15/2014
14I0590-04	GW1	Water	09/12/2014	09/15/2014
14I0590-05	GW2	Water	09/12/2014	09/15/2014
14I0590-06	SP6 (10-12)	Soil	09/12/2014	09/15/2014
14I0590-07	SP7 (16-18)	Soil	09/12/2014	09/15/2014
14I0590-08	SP8 (2-4)	Soil	09/12/2014	09/15/2014

## **General Notes for York Project (SDG) No.: 14I0590**

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:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 09/19/2014





### Sample Information

**Client Sample ID:** SP6 (0-2)

**York Sample ID:** 14I0590-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14I0590	140145	Soil	September 11, 2014 3:00 pm	09/15/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
67-64-1	<b>Acetone</b>	<b>15</b>	CCV-E, B	ug/kg dry	2.8	11	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS



### Sample Information

**Client Sample ID:** SP6 (0-2)

**York Sample ID:** 14I0590-01

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.8	11	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.8	11	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 22:45	SS

**Surrogate Recoveries**

**Result**

**Acceptance Range**

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	119 %	67-130
460-00-4	Surrogate: p-Bromofluorobenzene	95.5 %	75-127



### Sample Information

**Client Sample ID:** SP6 (0-2)

**York Sample ID:** 14I0590-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Soil

September 11, 2014 3:00 pm

09/15/2014

#### Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	104 %			90-112						

#### Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
62-53-3	Aniline	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
120-12-7	Anthracene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>455</b>	J	ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
218-01-9	Chrysene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1730	3450	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH



### Sample Information

**Client Sample ID:** SP6 (0-2)

**York Sample ID:** 14I0590-01

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1730	3450	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
206-44-0	<b>Fluoranthene</b>	<b>876</b>	J	ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
86-73-7	Fluorene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
78-59-1	Isophorone	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
91-20-3	Naphthalene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	869	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
85-01-8	<b>Phenanthrene</b>	<b>1130</b>	J	ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
108-95-2	Phenol	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
129-00-0	<b>Pyrene</b>	<b>831</b>	J	ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
110-86-1	Pyridine	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH



### Sample Information

**Client Sample ID:** SP6 (0-2)

**York Sample ID:** 14I0590-01

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	435	1720	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:46	KH
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: 2-Fluorophenol	30.7 %	10-105								
4165-62-2	Surrogate: Phenol-d5	35.6 %	10-118								
4165-60-0	Surrogate: Nitrobenzene-d5	28.7 %	10-140								
321-60-8	Surrogate: 2-Fluorobiphenyl	31.0 %	10-126								
118-79-6	Surrogate: 2,4,6-Tribromophenol	20.8 %	10-150								
1718-51-0	Surrogate: Terphenyl-d14	33.1 %	10-137								

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
309-00-2	Aldrin	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
57-74-9	Chlordane, total	ND		ug/kg dry	102	102	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
72-20-8	Endrin	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.56	2.56	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.8	12.8	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
8001-35-2	Toxaphene	ND		ug/kg dry	130	130	5	EPA 8081B	09/17/2014 15:00	09/18/2014 11:50	JW
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	73.4 %	30-140								



### Sample Information

**Client Sample ID:** SP6 (0-2)

**York Sample ID:** 14I0590-01

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	66.7 %			30-140						

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:12	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:12	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:12	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:12	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:12	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:12	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:12	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0259	0.0259	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:12	AMC
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	68.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	66.5 %			30-140						

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>6340</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-36-0	Antimony	ND		mg/kg dry	0.517	0.517	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-38-2	<b>Arsenic</b>	<b>1.83</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-39-3	<b>Barium</b>	<b>62.0</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.103	0.103	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.310	0.310	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-70-2	<b>Calcium</b>	<b>2420</b>		mg/kg dry	0.517	5.17	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-47-3	<b>Chromium</b>	<b>14.2</b>		mg/kg dry	0.517	0.517	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-48-4	<b>Cobalt</b>	<b>4.84</b>		mg/kg dry	0.517	0.517	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-50-8	<b>Copper</b>	<b>13.0</b>		mg/kg dry	0.517	0.517	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7439-89-6	<b>Iron</b>	<b>11000</b>		mg/kg dry	2.07	2.07	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7439-92-1	<b>Lead</b>	<b>35.7</b>		mg/kg dry	0.310	0.310	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7439-95-4	<b>Magnesium</b>	<b>2080</b>		mg/kg dry	5.17	5.17	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7439-96-5	<b>Manganese</b>	<b>252</b>		mg/kg dry	0.517	0.517	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-02-0	<b>Nickel</b>	<b>14.2</b>		mg/kg dry	0.517	0.517	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-09-7	<b>Potassium</b>	<b>1130</b>		mg/kg dry	5.17	5.17	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW



### Sample Information

<b>Client Sample ID:</b> SP6 (0-2)					<b>York Sample ID:</b> 14I0590-01
<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014	

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	Selenium	1.33		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-22-4	Silver	ND		mg/kg dry	0.517	0.517	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-23-5	Sodium	240		mg/kg dry	10.3	10.3	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-28-0	Thallium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-62-2	Vanadium	16.7		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW
7440-66-6	Zinc	27.9		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:20	MW

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0830		mg/kg dry	0.0310	0.0310	1	EPA 7473	09/18/2014 06:40	09/18/2014 10:26	ALD

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	96.7		%	0.100	0.100	1	SM 2540G	09/18/2014 20:18	09/19/2014 15:17	KK

#### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.362	0.517	1	EPA 7196A	09/19/2014 09:30	09/19/2014 16:01	SC

#### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.2		mg/kg	0.250	0.500	1	Calculation	09/19/2014 16:53	09/19/2014 17:04	SC

### Sample Information

<b>Client Sample ID:</b> SP7 (10-12)					<b>York Sample ID:</b> 14I0590-02
<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014	



### Sample Information

**Client Sample ID:** SP7 (10-12)

**York Sample ID:** 14I0590-02

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	89	180	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
78-93-3	2-Butanone	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
67-64-1	<b>Acetone</b>	<b>31</b>	CCV-E, B	ug/kg dry	4.5	18	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
71-43-2	Benzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
108-86-1	Bromobenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
75-25-2	Bromoform	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
74-83-9	Bromomethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS



### Sample Information

**Client Sample ID:** SP7 (10-12)

**York Sample ID:** 14I0590-02

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
75-00-3	Chloroethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
67-66-3	Chloroform	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
74-87-3	Chloromethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
74-95-3	Dibromomethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	18	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
91-20-3	Naphthalene	ND		ug/kg dry	4.5	18	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
95-47-6	o-Xylene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	8.9	18	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
100-42-5	Styrene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
108-88-3	Toluene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	13	27	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	4.5	8.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:21	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	118 %	67-130
460-00-4	Surrogate: p-Bromofluorobenzene	96.3 %	75-127
2037-26-5	Surrogate: Toluene-d8	101 %	90-112



### Sample Information

**Client Sample ID:** SP7 (10-12)

**York Sample ID:** 14I0590-02

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	158	J	ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
62-53-3	Aniline	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
120-12-7	Anthracene	344		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
56-55-3	Benzo(a)anthracene	625		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
50-32-8	Benzo(a)pyrene	219		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
205-99-2	Benzo(b)fluoranthene	233		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
191-24-2	Benzo(g,h,i)perylene	122	J	ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
207-08-9	Benzo(k)fluoranthene	200		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
218-01-9	Chrysene	547		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
53-70-3	Dibenzo(a,h)anthracene	61.2	J	ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
132-64-9	Dibenzofuran	127	J	ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	184	366	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	184	366	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH



### Sample Information

**Client Sample ID:** SP7 (10-12)

**York Sample ID:** 14I0590-02

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
206-44-0	<b>Fluoranthene</b>	<b>1060</b>		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
86-73-7	<b>Fluorene</b>	<b>189</b>		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>131</b>	J	ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
78-59-1	Isophorone	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>55.3</b>	J	ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
91-20-3	<b>Naphthalene</b>	<b>102</b>	J	ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	92.3	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
85-01-8	<b>Phenanthrene</b>	<b>1230</b>		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
108-95-2	Phenol	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
129-00-0	<b>Pyrene</b>	<b>1160</b>		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
110-86-1	Pyridine	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.2	183	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:13	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	85.6 %	10-105
4165-62-2	Surrogate: Phenol-d5	102 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	83.9 %	10-140
321-60-8	Surrogate: 2-Fluorobiphenyl	77.0 %	10-126
118-79-6	Surrogate: 2,4,6-Tribromophenol	87.1 %	10-150



### Sample Information

**Client Sample ID:** SP7 (10-12)

**York Sample ID:** 14I0590-02

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 11, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	Surrogate: Terphenyl-d14	106 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
50-29-3	<b>4,4'-DDT</b>	<b>4.30</b>		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
309-00-2	Aldrin	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
57-74-9	Chlordane, total	ND		ug/kg dry	109	109	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
72-20-8	Endrin	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.72	2.72	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.6	13.6	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
8001-35-2	Toxaphene	ND		ug/kg dry	138	138	5	EPA 8081B	09/17/2014 15:00	09/19/2014 11:46	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	75.4 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	70.0 %			30-140						



### Sample Information

**Client Sample ID:** SP7 (10-12)

**York Sample ID:** 14I0590-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Soil

September 11, 2014 3:00 pm

09/15/2014

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:32	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:32	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:32	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:32	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:32	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:32	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:32	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0275	0.0275	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:32	AMC
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	75.5 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	68.5 %			30-140						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>6960</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-36-0	Antimony	ND		mg/kg dry	0.550	0.550	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-38-2	<b>Arsenic</b>	<b>2.15</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-39-3	<b>Barium</b>	<b>96.2</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.330	0.330	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-70-2	<b>Calcium</b>	<b>18100</b>		mg/kg dry	0.550	5.50	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-47-3	<b>Chromium</b>	<b>12.5</b>		mg/kg dry	0.550	0.550	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-48-4	<b>Cobalt</b>	<b>5.56</b>		mg/kg dry	0.550	0.550	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-50-8	<b>Copper</b>	<b>18.7</b>		mg/kg dry	0.550	0.550	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7439-89-6	<b>Iron</b>	<b>12300</b>		mg/kg dry	2.20	2.20	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7439-92-1	<b>Lead</b>	<b>60.3</b>		mg/kg dry	0.330	0.330	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7439-95-4	<b>Magnesium</b>	<b>4060</b>		mg/kg dry	5.50	5.50	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7439-96-5	<b>Manganese</b>	<b>471</b>		mg/kg dry	0.550	0.550	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-02-0	<b>Nickel</b>	<b>17.2</b>		mg/kg dry	0.550	0.550	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-09-7	<b>Potassium</b>	<b>1960</b>		mg/kg dry	5.50	5.50	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7782-49-2	Selenium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-22-4	Silver	ND		mg/kg dry	0.550	0.550	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-23-5	<b>Sodium</b>	<b>353</b>		mg/kg dry	11.0	11.0	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW
7440-62-2	<b>Vanadium</b>	<b>17.6</b>		mg/kg dry	1.10	1.10	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW



**Sample Information**

**Client Sample ID:** SP7 (10-12) **York Sample ID:** 14I0590-02  
**York Project (SDG) No.** 14I0590 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 11, 2014 3:00 pm **Date Received** 09/15/2014

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	43.3		mg/kg dry	1.10	1.10	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:24	MW

**Mercury by 7473**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.354		mg/kg dry	0.0330	0.0330	1	EPA 7473	09/18/2014 06:40	09/18/2014 10:35	ALD

**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.0		%	0.100	0.100	1	SM 2540G	09/18/2014 20:18	09/19/2014 15:17	KK

**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.385	0.550	1	EPA 7196A	09/19/2014 09:30	09/19/2014 16:01	SC

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	12.5		mg/kg	0.250	0.500	1	Calculation	09/19/2014 16:53	09/19/2014 17:04	SC

**Sample Information**

**Client Sample ID:** SP8 (0-2) **York Sample ID:** 14I0590-03  
**York Project (SDG) No.** 14I0590 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 12, 2014 3:00 pm **Date Received** 09/15/2014

**Volatile Organics, 8260 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS



### Sample Information

**Client Sample ID:** SP8 (0-2)

**York Sample ID:** 14I0590-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
14I0590	140145	Soil	September 12, 2014 3:00 pm	09/15/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	33	66	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
67-64-1	<b>Acetone</b>	<b>21</b>	CCV-E, B	ug/kg dry	1.7	6.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
71-43-2	Benzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
75-25-2	Bromoform	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
67-66-3	Chloroform	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS



### Sample Information

**Client Sample ID:** SP8 (0-2)

**York Sample ID:** 14I0590-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Soil

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
75-09-2	<b>Methylene chloride</b>	<b>2.2</b>	J	ug/kg dry	1.7	6.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.7	6.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
100-42-5	Styrene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
108-88-3	Toluene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/18/2014 16:30	09/18/2014 23:56	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	123 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	94.7 %		75-127							
2037-26-5	Surrogate: Toluene-d8	103 %		90-112							



### Sample Information

**Client Sample ID:** SP8 (0-2)

**York Sample ID:** 14I0590-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Soil

September 12, 2014 3:00 pm

09/15/2014

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
62-53-3	Aniline	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
120-12-7	Anthracene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
218-01-9	Chrysene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	172	343	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	172	344	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH



### Sample Information

**Client Sample ID:** SP8 (0-2)

**York Sample ID:** 14I0590-03

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
117-81-7	<b>Bis(2-ethylhexyl)phthalate</b>	<b>47.1</b>	J	ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
206-44-0	Fluoranthene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
86-73-7	Fluorene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
78-59-1	Isophorone	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
91-20-3	Naphthalene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	86.6	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
85-01-8	Phenanthrene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
108-95-2	Phenol	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
129-00-0	Pyrene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
110-86-1	Pyridine	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.3	172	1	EPA 8270D	09/18/2014 06:58	09/18/2014 14:35	KH

	<b>Surrogate Recoveries</b>	<b>Result</b>	<b>Acceptance Range</b>
367-12-4	Surrogate: 2-Fluorophenol	53.6 %	10-105
4165-62-2	Surrogate: Phenol-d5	60.4 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	51.7 %	10-140



### Sample Information

**Client Sample ID:** SP8 (0-2)

**York Sample ID:** 14I0590-03

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14I0590

140145

Soil

September 12, 2014 3:00 pm

09/15/2014

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	48.8 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	52.5 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	58.4 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
309-00-2	Aldrin	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
57-74-9	Chlordane, total	ND		ug/kg dry	102	102	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
72-20-8	Endrin	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.55	2.55	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.8	12.8	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
8001-35-2	Toxaphene	ND		ug/kg dry	129	129	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:22	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	94.2 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	72.4 %			30-140						



### Sample Information

**Client Sample ID:** SP8 (0-2)

**York Sample ID:** 14I0590-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Soil

September 12, 2014 3:00 pm

09/15/2014

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0258	0.0258	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:51	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0258	0.0258	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:51	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0258	0.0258	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:51	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0258	0.0258	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:51	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0258	0.0258	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:51	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0258	0.0258	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:51	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0258	0.0258	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:51	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0258	0.0258	1	EPA 8082A	09/17/2014 15:00	09/18/2014 18:51	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	78.0 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	64.5 %	30-140								

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>3910</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-36-0	Antimony	ND		mg/kg dry	0.515	0.515	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-38-2	<b>Arsenic</b>	<b>2.06</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-39-3	<b>Barium</b>	<b>102</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.103	0.103	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.309	0.309	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-70-2	<b>Calcium</b>	<b>5220</b>		mg/kg dry	0.515	5.15	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-47-3	<b>Chromium</b>	<b>9.45</b>		mg/kg dry	0.515	0.515	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-48-4	<b>Cobalt</b>	<b>4.83</b>		mg/kg dry	0.515	0.515	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-50-8	<b>Copper</b>	<b>15.1</b>		mg/kg dry	0.515	0.515	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7439-89-6	<b>Iron</b>	<b>9980</b>		mg/kg dry	2.06	2.06	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7439-92-1	<b>Lead</b>	<b>20.0</b>		mg/kg dry	0.309	0.309	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7439-95-4	<b>Magnesium</b>	<b>1720</b>		mg/kg dry	5.15	5.15	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7439-96-5	<b>Manganese</b>	<b>185</b>		mg/kg dry	0.515	0.515	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-02-0	<b>Nickel</b>	<b>11.6</b>		mg/kg dry	0.515	0.515	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-09-7	<b>Potassium</b>	<b>917</b>		mg/kg dry	5.15	5.15	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7782-49-2	Selenium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-22-4	Silver	ND		mg/kg dry	0.515	0.515	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-23-5	<b>Sodium</b>	<b>161</b>		mg/kg dry	10.3	10.3	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-28-0	Thallium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW
7440-62-2	<b>Vanadium</b>	<b>12.5</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW



### Sample Information

<b>Client Sample ID:</b> SP8 (0-2)					<b>York Sample ID:</b> 14I0590-03
<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014	

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	55.5		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:29	MW

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0603		mg/kg dry	0.0309	0.0309	1	EPA 7473	09/18/2014 06:40	09/18/2014 10:44	ALD

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	97.0		%	0.100	0.100	1	SM 2540G	09/18/2014 20:18	09/19/2014 15:17	KK

#### Chromium, Hexavalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.361	0.515	1	EPA 7196A	09/19/2014 09:30	09/19/2014 16:01	SC

#### Chromium, Trivalent

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	9.45		mg/kg	0.250	0.500	1	Calculation	09/19/2014 16:53	09/19/2014 17:04	SC

### Sample Information

<b>Client Sample ID:</b> GW1					<b>York Sample ID:</b> 14I0590-04
<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014	

#### Volatile Organics, 8260 List - Low Level

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS



### Sample Information

**Client Sample ID:** GW1

**York Sample ID:** 14I0590-04

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, 8260 List - Low Level**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
527-53-7	<b>1,2,4,5-Tetramethylbenzene</b>	<b>0.93</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>2.4</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
78-87-5	<b>1,2-Dichloropropane</b>	<b>0.30</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>0.30</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
78-93-3	<b>2-Butanone</b>	<b>2.7</b>		ug/L	0.50	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
591-78-6	<b>2-Hexanone</b>	<b>0.27</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
108-10-1	<b>4-Methyl-2-pentanone</b>	<b>0.22</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
67-64-1	<b>Acetone</b>	<b>10</b>	CCV-E	ug/L	1.0	2.0	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
75-15-0	<b>Carbon disulfide</b>	<b>0.46</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS



### Sample Information

**Client Sample ID:** GW1

**York Sample ID:** 14I0590-04

York Project (SDG) No.

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Matrix

Collection Date/Time

Date Received

14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, 8260 List - Low Level**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
67-66-3	<b>Chloroform</b>	<b>7.1</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
100-41-4	<b>Ethyl Benzene</b>	<b>0.40</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
98-82-8	<b>Isopropylbenzene</b>	<b>0.50</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
91-20-3	<b>Naphthalene</b>	<b>3.7</b>		ug/L	1.0	2.0	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
103-65-1	<b>n-Propylbenzene</b>	<b>0.57</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
95-47-6	<b>o-Xylene</b>	<b>0.40</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>0.52</b>	J	ug/L	0.50	1.0	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
105-05-5	p-Diethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
622-96-8	p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
135-98-8	<b>sec-Butylbenzene</b>	<b>0.32</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
1330-20-7	<b>* Xylenes, Total</b>	<b>0.92</b>	J	ug/L	0.60	1.5	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:02	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	129 %	S-04		81-123						
460-00-4	Surrogate: p-Bromofluorobenzene	86.9 %			70-128						
2037-26-5	Surrogate: Toluene-d8	88.8 %			88-114						



### Sample Information

**Client Sample ID:** GW1

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14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
208-96-8	Acenaphthylene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
62-53-3	Aniline	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
120-12-7	Anthracene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	10.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	10.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	10.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	10.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
100-51-6	Benzyl alcohol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
106-47-8	4-Chloroaniline	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
95-57-8	2-Chlorophenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
218-01-9	Chrysene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
132-64-9	<b>Dibenzofuran</b>	<b>59.6</b>		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
84-66-2	Diethyl phthalate	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
131-11-3	Dimethyl phthalate	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH



### Sample Information

**Client Sample ID:** GW1

**York Sample ID:** 14I0590-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
206-44-0	Fluoranthene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
86-73-7	<b>Fluorene</b>	<b>86.4</b>		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
118-74-1	Hexachlorobenzene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
67-72-1	Hexachloroethane	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
78-59-1	Isophorone	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
95-48-7	2-Methylphenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
91-20-3	Naphthalene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
100-01-6	4-Nitroaniline	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
99-09-2	3-Nitroaniline	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
88-74-4	2-Nitroaniline	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
98-95-3	Nitrobenzene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
100-02-7	4-Nitrophenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
88-75-5	2-Nitrophenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
87-86-5	<b>Pentachlorophenol</b>	<b>294</b>		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
85-01-8	Phenanthrene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
108-95-2	Phenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
129-00-0	Pyrene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
110-86-1	Pyridine	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	25.0	50.0	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:06	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	20.1 %	10-53
4165-62-2	Surrogate: Phenol-d5	14.9 %	10-39
4165-60-0	Surrogate: Nitrobenzene-d5	45.0 %	10-120



### Sample Information

**Client Sample ID:** GW1

**York Sample ID:** 14I0590-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	45.0 %			10-108						
118-79-6	Surrogate: 2,4,6-Tribromophenol	46.6 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	49.8 %			10-143						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
309-00-2	Aldrin	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
319-84-6	alpha-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
319-85-7	beta-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
57-74-9	Chlordane, total	ND		ug/L	0.0444	0.0444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.0111	0.0111	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
319-86-8	delta-BHC	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
60-57-1	Dieldrin	ND		ug/L	0.00222	0.00222	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
959-98-8	Endosulfan I	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
72-20-8	Endrin	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	0.0111	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0111	0.0111	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
76-44-8	Heptachlor	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
72-43-5	Methoxychlor	ND		ug/L	0.00444	0.00444	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW
8001-35-2	Toxaphene	ND		ug/L	0.111	0.111	1	EPA 8081B	09/18/2014 07:30	09/19/2014 15:33	JW

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	57.0 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	26.3 %	GC-Sur		30-120						



### Sample Information

**Client Sample ID:** GW1

**York Sample ID:** 14I0590-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	0.0556	1	EPA 8082A	09/18/2014 07:30	09/18/2014 23:41	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	0.0556	1	EPA 8082A	09/18/2014 07:30	09/18/2014 23:41	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	0.0556	1	EPA 8082A	09/18/2014 07:30	09/18/2014 23:41	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	0.0556	1	EPA 8082A	09/18/2014 07:30	09/18/2014 23:41	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	0.0556	1	EPA 8082A	09/18/2014 07:30	09/18/2014 23:41	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	0.0556	1	EPA 8082A	09/18/2014 07:30	09/18/2014 23:41	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	0.0556	1	EPA 8082A	09/18/2014 07:30	09/18/2014 23:41	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0556	0.0556	1	EPA 8082A	09/18/2014 07:30	09/18/2014 23:41	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8 Surrogate: Tetrachloro-m-xylene 36.5 % 30-120

2051-24-3 Surrogate: Decachlorobiphenyl 54.0 % 30-120

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>37.3</b>		mg/L	0.010	0.010	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-38-2	<b>Arsenic</b>	<b>0.008</b>		mg/L	0.004	0.004	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-39-3	<b>Barium</b>	<b>0.961</b>		mg/L	0.010	0.010	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-41-7	<b>Beryllium</b>	<b>0.003</b>		mg/L	0.001	0.001	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-70-2	<b>Calcium</b>	<b>30.2</b>		mg/L	0.050	0.050	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-47-3	<b>Chromium</b>	<b>0.084</b>		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-48-4	<b>Cobalt</b>	<b>0.036</b>		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-50-8	<b>Copper</b>	<b>0.978</b>		mg/L	0.003	0.003	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7439-89-6	<b>Iron</b>	<b>63.8</b>		mg/L	0.020	0.020	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7439-92-1	<b>Lead</b>	<b>0.031</b>		mg/L	0.003	0.003	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7439-95-4	<b>Magnesium</b>	<b>17.8</b>		mg/L	0.050	0.050	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7439-96-5	<b>Manganese</b>	<b>1.83</b>		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-02-0	<b>Nickel</b>	<b>0.187</b>		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-09-7	<b>Potassium</b>	<b>37.2</b>		mg/L	0.050	0.050	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-23-5	<b>Sodium</b>	<b>35.3</b>		mg/L	0.100	0.100	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW
7440-62-2	<b>Vanadium</b>	<b>0.077</b>		mg/L	0.010	0.010	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW



### Sample Information

<b>Client Sample ID:</b> GW1					<b>York Sample ID:</b> 14I0590-04
<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014	

#### Metals, Target Analyte

Sample Prepared by Method: EPA 3010A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.765		mg/L	0.010	0.010	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:14	MW

#### Mercury by 7473

Sample Prepared by Method: EPA 7473 water

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	0.00020	1	EPA 7473	09/18/2014 06:38	09/18/2014 13:43	ALD

#### Chromium, Hexavalent

Sample Prepared by Method: Analysis Preparation

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-02	mg/L	0.0100	0.0100	1	EPA 7196A	09/19/2014 16:25	09/19/2014 17:46	SC

#### Chromium, Trivalent

Sample Prepared by Method: \*\*\* DEFAULT PREP \*\*\*

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	0.0840		mg/L	0.00800	0.0100	1	Calculation	09/19/2014 16:55	09/19/2014 17:52	SC

### Sample Information

<b>Client Sample ID:</b> GW2					<b>York Sample ID:</b> 14I0590-05
<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014	

#### Volatile Organics, 8260 List - Low Level

Sample Prepared by Method: EPA 5030B

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS



### Sample Information

**Client Sample ID:** GW2

**York Sample ID:** 14I0590-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, 8260 List - Low Level**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
527-53-7	<b>1,2,4,5-Tetramethylbenzene</b>	<b>3.7</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>8.4</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>2.1</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
67-64-1	<b>Acetone</b>	<b>1.5</b>	J	ug/L	1.0	2.0	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
71-43-2	<b>Benzene</b>	<b>0.54</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
75-27-4	<b>Bromodichloromethane</b>	<b>0.51</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
67-66-3	<b>Chloroform</b>	<b>7.0</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS



### Sample Information

**Client Sample ID:** GW2

**York Sample ID:** 14I0590-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, 8260 List - Low Level**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
100-41-4	<b>Ethyl Benzene</b>	<b>0.45</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
98-82-8	<b>Isopropylbenzene</b>	<b>2.1</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
91-20-3	<b>Naphthalene</b>	<b>24</b>		ug/L	1.0	2.0	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
104-51-8	<b>n-Butylbenzene</b>	<b>0.75</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
103-65-1	<b>n-Propylbenzene</b>	<b>2.9</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
95-47-6	<b>o-Xylene</b>	<b>0.23</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>2.4</b>		ug/L	0.50	1.0	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
105-05-5	<b>p-Diethylbenzene</b>	<b>2.0</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
622-96-8	p-Ethyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
99-87-6	<b>p-Isopropyltoluene</b>	<b>0.54</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
135-98-8	<b>sec-Butylbenzene</b>	<b>1.1</b>		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
108-88-3	<b>Toluene</b>	<b>0.38</b>	J	ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
1330-20-7	<b>* Xylenes, Total</b>	<b>2.6</b>		ug/L	0.60	1.5	1	EPA 8260C	09/18/2014 16:50	09/18/2014 23:34	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	81-123								
460-00-4	Surrogate: p-Bromofluorobenzene	93.0 %	70-128								
2037-26-5	Surrogate: Toluene-d8	89.4 %	88-114								



### Sample Information

**Client Sample ID:** GW2

**York Sample ID:** 14I0590-05

York Project (SDG) No.

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14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-D**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
208-96-8	Acenaphthylene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
62-53-3	Aniline	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
120-12-7	Anthracene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
100-51-6	Benzyl alcohol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
106-47-8	4-Chloroaniline	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
95-57-8	2-Chlorophenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
218-01-9	Chrysene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
132-64-9	Dibenzofuran	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
84-66-2	Diethyl phthalate	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
131-11-3	Dimethyl phthalate	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH



### Sample Information

**Client Sample ID:** GW2

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14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-D**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
206-44-0	Fluoranthene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
86-73-7	Fluorene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
118-74-1	Hexachlorobenzene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
67-72-1	Hexachloroethane	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
78-59-1	Isophorone	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
95-48-7	2-Methylphenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
91-20-3	Naphthalene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
100-01-6	4-Nitroaniline	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
99-09-2	3-Nitroaniline	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
88-74-4	2-Nitroaniline	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
98-95-3	Nitrobenzene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
100-02-7	4-Nitrophenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
88-75-5	2-Nitrophenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
87-86-5	<b>Pentachlorophenol</b>	<b>384</b>		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
85-01-8	Phenanthrene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
108-95-2	Phenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
129-00-0	Pyrene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
110-86-1	Pyridine	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
95-95-4	<b>2,4,5-Trichlorophenol</b>	<b>41.5</b>	J	ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	25.6	51.3	10	EPA 8270D	09/18/2014 07:17	09/18/2014 15:36	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	31.9 %			10-53						
4165-62-2	Surrogate: Phenol-d5	23.4 %			10-39						
4165-60-0	Surrogate: Nitrobenzene-d5	65.3 %			10-120						



### Sample Information

**Client Sample ID:** GW2

**York Sample ID:** 14I0590-05

York Project (SDG) No.

Client Project ID

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14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	65.8 %			10-108						
118-79-6	Surrogate: 2,4,6-Tribromophenol	66.6 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	69.1 %			10-143						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
72-55-9	4,4'-DDE	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
50-29-3	4,4'-DDT	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
309-00-2	Aldrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
319-84-6	alpha-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
319-85-7	beta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
57-74-9	Chlordane, total	ND		ug/L	0.0410	0.0410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
5103-74-2	gamma-Chlordane	ND		ug/L	0.0103	0.0103	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
319-86-8	delta-BHC	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
60-57-1	Dieldrin	ND		ug/L	0.00205	0.00205	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
959-98-8	Endosulfan I	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
33213-65-9	Endosulfan II	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
72-20-8	Endrin	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	0.0103	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
53494-70-5	Endrin ketone	ND		ug/L	0.0103	0.0103	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
76-44-8	Heptachlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
72-43-5	Methoxychlor	ND		ug/L	0.00410	0.00410	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
8001-35-2	Toxaphene	ND		ug/L	0.103	0.103	1	EPA 8081B	09/18/2014 07:30	09/19/2014 11:24	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	52.5 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	36.9 %			30-120						



### Sample Information

**Client Sample ID:** GW2

**York Sample ID:** 14I0590-05

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

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14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	0.0513	1	EPA 8082A	09/18/2014 07:30	09/19/2014 00:02	AMC
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	0.0513	1	EPA 8082A	09/18/2014 07:30	09/19/2014 00:02	AMC
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	0.0513	1	EPA 8082A	09/18/2014 07:30	09/19/2014 00:02	AMC
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	0.0513	1	EPA 8082A	09/18/2014 07:30	09/19/2014 00:02	AMC
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	0.0513	1	EPA 8082A	09/18/2014 07:30	09/19/2014 00:02	AMC
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	0.0513	1	EPA 8082A	09/18/2014 07:30	09/19/2014 00:02	AMC
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	0.0513	1	EPA 8082A	09/18/2014 07:30	09/19/2014 00:02	AMC
1336-36-3	* Total PCBs	ND		ug/L	0.0513	0.0513	1	EPA 8082A	09/18/2014 07:30	09/19/2014 00:02	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8 Surrogate: Tetrachloro-m-xylene 33.0 % 30-120

2051-24-3 Surrogate: Decachlorobiphenyl 58.5 % 30-120

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>0.183</b>		mg/L	0.010	0.010	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-39-3	<b>Barium</b>	<b>0.139</b>		mg/L	0.010	0.010	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-70-2	<b>Calcium</b>	<b>172</b>		mg/L	0.050	0.050	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-50-8	<b>Copper</b>	<b>0.006</b>		mg/L	0.003	0.003	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7439-89-6	<b>Iron</b>	<b>3.46</b>		mg/L	0.020	0.020	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7439-95-4	<b>Magnesium</b>	<b>29.9</b>		mg/L	0.050	0.050	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7439-96-5	<b>Manganese</b>	<b>1.75</b>		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-02-0	<b>Nickel</b>	<b>0.010</b>		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-09-7	<b>Potassium</b>	<b>25.2</b>		mg/L	0.050	0.050	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7782-49-2	<b>Selenium</b>	<b>0.015</b>		mg/L	0.010	0.010	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-23-5	<b>Sodium</b>	<b>189</b>		mg/L	0.100	0.100	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	09/18/2014 14:59	09/18/2014 21:19	MW



Sample Information

Client Sample ID: GW2

York Sample ID: 14I0590-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Water

September 12, 2014 3:00 pm

09/15/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Vanadium and Zinc.

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Mercury.

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Chromium, Hexavalent.

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: \*\*\* DEFAULT PREP \*\*\*

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Chromium, Trivalent.

Sample Information

Client Sample ID: SP6 (10-12)

York Sample ID: 14I0590-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Soil

September 12, 2014 3:00 pm

09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various volatile organics like Tetrachloroethane and Trichloroethane.



### Sample Information

**Client Sample ID:** SP6 (10-12)

**York Sample ID:** 14I0590-06

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	52	100	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
67-64-1	<b>Acetone</b>	<b>16</b>	CCV-E, B	ug/kg dry	2.6	10	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS



### Sample Information

**Client Sample ID:** SP6 (10-12)

**York Sample ID:** 14I0590-06

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.6	10	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.6	10	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	09/18/2014 16:30	09/19/2014 00:33	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	118 %			67-130						
460-00-4	Surrogate: p-Bromofluorobenzene	97.2 %			75-127						
2037-26-5	Surrogate: Toluene-d8	105 %			90-112						



## Sample Information

**Client Sample ID:** SP6 (10-12)

**York Sample ID:** 14I0590-06

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
62-53-3	Aniline	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
120-12-7	<b>Anthracene</b>	<b>808</b>	J	ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
56-55-3	<b>Benzo(a)anthracene</b>	<b>1210</b>	J	ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
50-32-8	<b>Benzo(a)pyrene</b>	<b>477</b>	J	ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
205-99-2	<b>Benzo(b)fluoranthene</b>	<b>474</b>	J	ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
207-08-9	<b>Benzo(k)fluoranthene</b>	<b>548</b>	J	ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
218-01-9	<b>Chrysene</b>	<b>1030</b>	J	ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1780	3560	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1780	3560	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH



### Sample Information

**Client Sample ID:** SP6 (10-12)

**York Sample ID:** 14I0590-06

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
206-44-0	<b>Fluoranthene</b>	<b>2410</b>		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
86-73-7	<b>Fluorene</b>	<b>466</b>	J	ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
78-59-1	Isophorone	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
91-20-3	Naphthalene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	897	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
85-01-8	<b>Phenanthrene</b>	<b>2550</b>		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
108-95-2	Phenol	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
129-00-0	<b>Pyrene</b>	<b>2360</b>		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
110-86-1	Pyridine	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	449	1780	10	EPA 8270D	09/18/2014 06:58	09/18/2014 18:16	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	55.7 %	10-105
4165-62-2	Surrogate: Phenol-d5	64.2 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	53.6 %	10-140



### Sample Information

**Client Sample ID:** SP6 (10-12)

**York Sample ID:** 14I0590-06

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	53.6 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	46.3 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	63.7 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
50-29-3	<b>4,4'-DDT</b>	<b>3.59</b>		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
309-00-2	Aldrin	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
57-74-9	Chlordane, total	ND		ug/kg dry	106	106	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
72-20-8	Endrin	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.64	2.64	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
72-43-5	Methoxychlor	ND		ug/kg dry	13.2	13.2	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
8001-35-2	Toxaphene	ND		ug/kg dry	134	134	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:02	JW
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	76.7 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	73.9 %			30-140						



### Sample Information

**Client Sample ID:** SP6 (10-12)

**York Sample ID:** 14I0590-06

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:10	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:10	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:10	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:10	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:10	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:10	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:10	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0267	0.0267	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:10	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	71.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	74.0 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>8020</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-36-0	Antimony	ND		mg/kg dry	0.534	0.534	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-38-2	<b>Arsenic</b>	<b>2.94</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-39-3	<b>Barium</b>	<b>65.2</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.320	0.320	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-70-2	<b>Calcium</b>	<b>7110</b>		mg/kg dry	0.534	5.34	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-47-3	<b>Chromium</b>	<b>13.2</b>		mg/kg dry	0.534	0.534	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-48-4	<b>Cobalt</b>	<b>5.74</b>		mg/kg dry	0.534	0.534	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-50-8	<b>Copper</b>	<b>17.1</b>		mg/kg dry	0.534	0.534	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7439-89-6	<b>Iron</b>	<b>13500</b>		mg/kg dry	2.14	2.14	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7439-92-1	<b>Lead</b>	<b>117</b>		mg/kg dry	0.320	0.320	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7439-95-4	<b>Magnesium</b>	<b>3090</b>		mg/kg dry	5.34	5.34	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7439-96-5	<b>Manganese</b>	<b>299</b>		mg/kg dry	0.534	0.534	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-02-0	<b>Nickel</b>	<b>15.1</b>		mg/kg dry	0.534	0.534	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-09-7	<b>Potassium</b>	<b>1360</b>		mg/kg dry	5.34	5.34	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7782-49-2	<b>Selenium</b>	<b>1.19</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-22-4	Silver	ND		mg/kg dry	0.534	0.534	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-23-5	<b>Sodium</b>	<b>315</b>		mg/kg dry	10.7	10.7	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW
7440-62-2	<b>Vanadium</b>	<b>20.4</b>		mg/kg dry	1.07	1.07	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW



**Sample Information**

**Client Sample ID:** SP6 (10-12) **York Sample ID:** 14I0590-06  
**York Project (SDG) No.** 14I0590 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 12, 2014 3:00 pm **Date Received** 09/15/2014

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	43.0		mg/kg dry	1.07	1.07	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:33	MW

**Mercury by 7473**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.362		mg/kg dry	0.0320	0.0320	1	EPA 7473	09/18/2014 06:40	09/18/2014 10:53	ALD

**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.6		%	0.100	0.100	1	SM 2540G	09/18/2014 20:18	09/19/2014 15:17	KK

**Chromium, Hexavalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.374	0.534	1	EPA 7196A	09/19/2014 09:30	09/19/2014 16:01	SC

**Chromium, Trivalent**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.2		mg/kg	0.250	0.500	1	Calculation	09/19/2014 16:53	09/19/2014 17:04	SC

**Sample Information**

**Client Sample ID:** SP7 (16-18) **York Sample ID:** 14I0590-07  
**York Project (SDG) No.** 14I0590 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 12, 2014 3:00 pm **Date Received** 09/15/2014

**Volatile Organics, 8260 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS



### Sample Information

**Client Sample ID:** SP7 (16-18)

**York Sample ID:** 14I0590-07

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
67-64-1	<b>Acetone</b>	<b>14</b>	CCV-E, B	ug/kg dry	2.7	11	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS



### Sample Information

**Client Sample ID:** SP7 (16-18)

**York Sample ID:** 14I0590-07

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.7	11	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
91-20-3	<b>Naphthalene</b>	<b>12</b>		ug/kg dry	2.7	11	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:09	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	119 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	99.3 %		75-127							
2037-26-5	Surrogate: Toluene-d8	103 %		90-112							



### Sample Information

**Client Sample ID:** SP7 (16-18)

**York Sample ID:** 14I0590-07

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	873		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
62-53-3	Aniline	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
120-12-7	Anthracene	1920		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
56-55-3	Benzo(a)anthracene	2900		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
50-32-8	Benzo(a)pyrene	1700		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
205-99-2	Benzo(b)fluoranthene	962		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
191-24-2	Benzo(g,h,i)perylene	552	J	ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
207-08-9	Benzo(k)fluoranthene	990		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
218-01-9	Chrysene	2540		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
53-70-3	Dibenzo(a,h)anthracene	237	J	ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
132-64-9	Dibenzofuran	870	J	ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	873	1740	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	873	1740	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH



### Sample Information

**Client Sample ID:** SP7 (16-18)

**York Sample ID:** 14I0590-07

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
206-44-0	<b>Fluoranthene</b>	<b>5450</b>		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
86-73-7	<b>Fluorene</b>	<b>1150</b>		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
193-39-5	<b>Indeno(1,2,3-cd)pyrene</b>	<b>545</b>	J	ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
78-59-1	Isophorone	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
91-57-6	<b>2-Methylnaphthalene</b>	<b>441</b>	J	ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
91-20-3	<b>Naphthalene</b>	<b>711</b>	J	ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	439	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
85-01-8	<b>Phenanthrene</b>	<b>7050</b>		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
108-95-2	Phenol	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
129-00-0	<b>Pyrene</b>	<b>5400</b>		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
110-86-1	Pyridine	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	220	871	5	EPA 8270D	09/18/2014 06:58	09/18/2014 17:45	KH

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	66.7 %	10-105
4165-62-2	Surrogate: Phenol-d5	83.1 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	62.5 %	10-140
321-60-8	Surrogate: 2-Fluorobiphenyl	60.3 %	10-126
118-79-6	Surrogate: 2,4,6-Tribromophenol	56.5 %	10-150



### Sample Information

**Client Sample ID:** SP7 (16-18)

**York Sample ID:** 14I0590-07

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	Surrogate: Terphenyl-d14	77.4 %			10-137						

**Pesticides, 8081 target list**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
309-00-2	Aldrin	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
57-74-9	Chlordane, total	ND		ug/kg dry	104	104	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
72-20-8	Endrin	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.59	2.59	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.9	12.9	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
8001-35-2	Toxaphene	ND		ug/kg dry	131	131	5	EPA 8081B	09/17/2014 15:00	09/19/2014 12:18	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.9 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	81.7 %			30-140						



### Sample Information

**Client Sample ID:** SP7 (16-18)

**York Sample ID:** 14I0590-07

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Polychlorinated Biphenyls (PCB)**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:29	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:29	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:29	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:29	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:29	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:29	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:29	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0261	0.0261	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:29	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	93.0 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	82.0 %	30-140

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>6510</b>		mg/kg dry	1.05	1.05	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-36-0	Antimony	ND		mg/kg dry	0.523	0.523	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-38-2	<b>Arsenic</b>	<b>1.96</b>		mg/kg dry	1.05	1.05	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-39-3	<b>Barium</b>	<b>64.1</b>		mg/kg dry	1.05	1.05	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.314	0.314	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-70-2	<b>Calcium</b>	<b>2720</b>		mg/kg dry	0.523	5.23	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-47-3	<b>Chromium</b>	<b>12.6</b>		mg/kg dry	0.523	0.523	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-48-4	<b>Cobalt</b>	<b>5.14</b>		mg/kg dry	0.523	0.523	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-50-8	<b>Copper</b>	<b>14.3</b>		mg/kg dry	0.523	0.523	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7439-89-6	<b>Iron</b>	<b>13100</b>		mg/kg dry	2.09	2.09	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7439-92-1	<b>Lead</b>	<b>38.2</b>		mg/kg dry	0.314	0.314	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7439-95-4	<b>Magnesium</b>	<b>2110</b>		mg/kg dry	5.23	5.23	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7439-96-5	<b>Manganese</b>	<b>332</b>		mg/kg dry	0.523	0.523	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-02-0	<b>Nickel</b>	<b>13.7</b>		mg/kg dry	0.523	0.523	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-09-7	<b>Potassium</b>	<b>1250</b>		mg/kg dry	5.23	5.23	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7782-49-2	<b>Selenium</b>	<b>1.17</b>		mg/kg dry	1.05	1.05	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-22-4	Silver	ND		mg/kg dry	0.523	0.523	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-23-5	<b>Sodium</b>	<b>179</b>		mg/kg dry	10.5	10.5	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW
7440-62-2	<b>Vanadium</b>	<b>18.0</b>		mg/kg dry	1.05	1.05	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:38	MW



Sample Information

Client Sample ID: SP7 (16-18) York Sample ID: 14I0590-07
York Project (SDG) No. 14I0590 Client Project ID 140145 Matrix Soil Collection Date/Time September 12, 2014 3:00 pm Date Received 09/15/2014

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7440-66-6 Zinc 29.2 mg/kg dry 1.05 1.05 1 EPA 6010C 09/18/2014 09:12 09/18/2014 11:38 MW

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 7439-97-6 Mercury 0.0982 mg/kg dry 0.0314 0.0314 1 EPA 7473 09/18/2014 06:40 09/18/2014 11:02 ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids \* % Solids 95.6 % 0.100 0.100 1 SM 2540G 09/18/2014 20:18 09/19/2014 15:17 KK

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 18540-29-9 Chromium, Hexavalent ND mg/kg dry 0.366 0.523 1 EPA 7196A 09/19/2014 09:30 09/19/2014 16:01 SC

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 16065-83-1 \* Chromium, Trivalent 12.6 mg/kg 0.250 0.500 1 Calculation 09/19/2014 16:53 09/19/2014 17:04 SC

Sample Information

Client Sample ID: SP8 (2-4) York Sample ID: 14I0590-08
York Project (SDG) No. 14I0590 Client Project ID 140145 Matrix Soil Collection Date/Time September 12, 2014 3:00 pm Date Received 09/15/2014

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, LOD/MDL, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 630-20-6 1,1,1,2-Tetrachloroethane ND ug/kg dry 1.2 2.4 1 EPA 8260C 09/18/2014 16:30 09/19/2014 01:44 SS. Row 2: 71-55-6 1,1,1-Trichloroethane ND ug/kg dry 1.2 2.4 1 EPA 8260C 09/18/2014 16:30 09/19/2014 01:44 SS



### Sample Information

**Client Sample ID:** SP8 (2-4)

**York Sample ID:** 14I0590-08

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	24	49	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
78-93-3	2-Butanone	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
67-64-1	<b>Acetone</b>	<b>9.8</b>	CCV-E, B	ug/kg dry	1.2	4.9	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
75-25-2	Bromoform	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
74-83-9	Bromomethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
67-66-3	Chloroform	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS



### Sample Information

**Client Sample ID:** SP8 (2-4)

**York Sample ID:** 14I0590-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0590

140145

Soil

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
74-95-3	Dibromomethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
75-09-2	Methylene chloride	ND		ug/kg dry	1.2	4.9	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	4.9	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.4	4.9	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
100-42-5	Styrene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
108-88-3	Toluene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.7	7.3	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
108-05-4	Vinyl acetate	ND		ug/kg dry	1.2	2.4	1	EPA 8260C	09/18/2014 16:30	09/19/2014 01:44	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	126 %		67-130							
460-00-4	Surrogate: p-Bromofluorobenzene	92.3 %		75-127							
2037-26-5	Surrogate: Toluene-d8	101 %		90-112							



## Sample Information

**Client Sample ID:** SP8 (2-4)

**York Sample ID:** 14I0590-08

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
62-53-3	Aniline	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
120-12-7	Anthracene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
218-01-9	Chrysene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	171	342	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	171	342	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH



### Sample Information

**Client Sample ID:** SP8 (2-4)

**York Sample ID:** 14I0590-08

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
206-44-0	Fluoranthene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
86-73-7	Fluorene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
78-59-1	Isophorone	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
91-20-3	Naphthalene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	86.2	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
85-01-8	Phenanthrene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
108-95-2	Phenol	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
129-00-0	Pyrene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
110-86-1	Pyridine	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.1	171	1	EPA 8270D	09/18/2014 06:58	09/18/2014 16:44	KH
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: 2-Fluorophenol	50.9 %		10-105							
4165-62-2	Surrogate: Phenol-d5	59.5 %		10-118							
4165-60-0	Surrogate: Nitrobenzene-d5	49.2 %		10-140							



### Sample Information

**Client Sample ID:** SP8 (2-4)

**York Sample ID:** 14I0590-08

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	43.8 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	45.6 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	50.6 %			10-137						

**Pesticides, 8081 target list**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
309-00-2	Aldrin	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
57-74-9	Chlordane, total	ND		ug/kg dry	102	102	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
5103-74-2	gamma-Chlordane	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
72-20-8	Endrin	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.54	2.54	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
72-43-5	Methoxychlor	ND		ug/kg dry	12.7	12.7	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
8001-35-2	Toxaphene	ND		ug/kg dry	128	128	5	EPA 8081B	09/17/2014 15:00	09/18/2014 12:38	JW
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
877-09-8	Surrogate: Tetrachloro-m-xylene	94.8 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	85.2 %			30-140						



### Sample Information

**Client Sample ID:** SP8 (2-4)

**York Sample ID:** 14I0590-08

<u>York Project (SDG) No.</u> 14I0590	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Polychlorinated Biphenyls (PCB)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0256	0.0256	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:49	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0256	0.0256	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:49	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0256	0.0256	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:49	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0256	0.0256	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:49	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0256	0.0256	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:49	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0256	0.0256	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:49	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0256	0.0256	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:49	AMC
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0256	0.0256	1	EPA 8082A	09/17/2014 15:00	09/18/2014 19:49	AMC

**Surrogate Recoveries**

**Result**

**Acceptance Range**

877-09-8	Surrogate: Tetrachloro-m-xylene	79.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	75.0 %	30-140

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	<b>Aluminum</b>	<b>3920</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-36-0	Antimony	ND		mg/kg dry	0.513	0.513	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-38-2	<b>Arsenic</b>	<b>1.35</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-39-3	<b>Barium</b>	<b>105</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.103	0.103	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.308	0.308	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-70-2	<b>Calcium</b>	<b>1310</b>		mg/kg dry	0.513	5.13	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-47-3	<b>Chromium</b>	<b>10.2</b>		mg/kg dry	0.513	0.513	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-48-4	<b>Cobalt</b>	<b>6.12</b>		mg/kg dry	0.513	0.513	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-50-8	<b>Copper</b>	<b>12.2</b>		mg/kg dry	0.513	0.513	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7439-89-6	<b>Iron</b>	<b>11800</b>		mg/kg dry	2.05	2.05	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7439-92-1	<b>Lead</b>	<b>4.39</b>		mg/kg dry	0.308	0.308	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7439-95-4	<b>Magnesium</b>	<b>1830</b>		mg/kg dry	5.13	5.13	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7439-96-5	<b>Manganese</b>	<b>149</b>		mg/kg dry	0.513	0.513	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-02-0	<b>Nickel</b>	<b>15.9</b>		mg/kg dry	0.513	0.513	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-09-7	<b>Potassium</b>	<b>1050</b>		mg/kg dry	5.13	5.13	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7782-49-2	Selenium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.513	0.513	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-23-5	<b>Sodium</b>	<b>116</b>		mg/kg dry	10.3	10.3	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-28-0	Thallium	ND		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW
7440-62-2	<b>Vanadium</b>	<b>16.2</b>		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW



**Sample Information**

**Client Sample ID:** SP8 (2-4) **York Sample ID:** 14I0590-08  
**York Project (SDG) No.** 14I0590 **Client Project ID** 140145 **Matrix** Soil **Collection Date/Time** September 12, 2014 3:00 pm **Date Received** 09/15/2014

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	18.9		mg/kg dry	1.03	1.03	1	EPA 6010C	09/18/2014 09:12	09/18/2014 11:43	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0308	0.0308	1	EPA 7473	09/18/2014 06:40	09/18/2014 11:11	ALD

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	97.5		%	0.100	0.100	1	SM 2540G	09/18/2014 20:18	09/19/2014 15:17	KK

**Chromium, Hexavalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.359	0.513	1	EPA 7196A	09/19/2014 09:30	09/19/2014 16:01	SC

**Chromium, Trivalent**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	10.2		mg/kg	0.250	0.500	1	Calculation	09/19/2014 16:53	09/19/2014 17:04	SC



## Analytical Batch Summary

**Batch ID:** BI40832

**Preparation Method:** EPA 3545A

**Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-01	SP6 (0-2)	09/17/14
14I0590-01	SP6 (0-2)	09/17/14
14I0590-02	SP7 (10-12)	09/17/14
14I0590-02	SP7 (10-12)	09/17/14
14I0590-03	SP8 (0-2)	09/17/14
14I0590-03	SP8 (0-2)	09/17/14
14I0590-06	SP6 (10-12)	09/17/14
14I0590-06	SP6 (10-12)	09/17/14
14I0590-07	SP7 (16-18)	09/17/14
14I0590-07	SP7 (16-18)	09/17/14
14I0590-08	SP8 (2-4)	09/17/14
14I0590-08	SP8 (2-4)	09/17/14
BI40832-BLK1	Blank	09/17/14
BI40832-BLK1	Blank	09/17/14
BI40832-BS1	LCS	09/17/14
BI40832-BS2	LCS	09/17/14
BI40832-BSD1	LCS Dup	09/17/14
BI40832-BSD2	LCS Dup	09/17/14
BI40832-MS1	Matrix Spike	09/17/14

**Batch ID:** BI40879

**Preparation Method:** EPA 7473 water

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-04	GW1	09/18/14
14I0590-05	GW2	09/18/14
BI40879-BLK1	Blank	09/18/14
BI40879-SRM1	Reference	09/18/14

**Batch ID:** BI40880

**Preparation Method:** EPA 7473 soil

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-01	SP6 (0-2)	09/18/14
14I0590-02	SP7 (10-12)	09/18/14
14I0590-03	SP8 (0-2)	09/18/14
14I0590-06	SP6 (10-12)	09/18/14
14I0590-07	SP7 (16-18)	09/18/14
14I0590-08	SP8 (2-4)	09/18/14
BI40880-BLK1	Blank	09/18/14
BI40880-SRM1	Reference	09/18/14

**Batch ID:** BI40881

**Preparation Method:** EPA 3550C

**Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-01	SP6 (0-2)	09/18/14



14I0590-02	SP7 (10-12)	09/18/14
14I0590-03	SP8 (0-2)	09/18/14
14I0590-06	SP6 (10-12)	09/18/14
14I0590-07	SP7 (16-18)	09/18/14
14I0590-08	SP8 (2-4)	09/18/14
BI40881-BLK1	Blank	09/18/14
BI40881-BS1	LCS	09/18/14
BI40881-BSD1	LCS Dup	09/18/14

**Batch ID:** BI40882      **Preparation Method:** EPA 3510C      **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-04	GW1	09/18/14
14I0590-05	GW2	09/18/14
BI40882-BLK1	Blank	09/18/14
BI40882-BS1	LCS	09/18/14
BI40882-BSD1	LCS Dup	09/18/14

**Batch ID:** BI40884      **Preparation Method:** EPA SW846-3510C Low Level      **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-04	GW1	09/18/14
14I0590-04	GW1	09/18/14
14I0590-05	GW2	09/18/14
14I0590-05	GW2	09/18/14
BI40884-BLK1	Blank	09/18/14
BI40884-BLK1	Blank	09/18/14
BI40884-BS1	LCS	09/18/14
BI40884-BS2	LCS	09/18/14
BI40884-BSD1	LCS Dup	09/18/14
BI40884-BSD2	LCS Dup	09/18/14

**Batch ID:** BI40907      **Preparation Method:** EPA 3050B      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-01	SP6 (0-2)	09/18/14
14I0590-02	SP7 (10-12)	09/18/14
14I0590-03	SP8 (0-2)	09/18/14
14I0590-06	SP6 (10-12)	09/18/14
14I0590-07	SP7 (16-18)	09/18/14
14I0590-08	SP8 (2-4)	09/18/14
BI40907-BLK1	Blank	09/18/14
BI40907-SRM1	Reference	09/18/14

**Batch ID:** BI40940      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-04	GW1	09/18/14
14I0590-05	GW2	09/18/14



BI40940-BLK1	Blank	09/18/14
BI40940-SRM1	Reference	09/18/14
BI40940-SRM2	Reference	09/18/14

**Batch ID:** BI40959      **Preparation Method:** % Solids Prep      **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-01	SP6 (0-2)	09/18/14
14I0590-02	SP7 (10-12)	09/18/14
14I0590-03	SP8 (0-2)	09/18/14
14I0590-06	SP6 (10-12)	09/18/14
14I0590-07	SP7 (16-18)	09/18/14
14I0590-08	SP8 (2-4)	09/18/14

**Batch ID:** BI40972      **Preparation Method:** EPA 5030B      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-04	GW1	09/18/14
14I0590-05	GW2	09/18/14
BI40972-BLK1	Blank	09/18/14
BI40972-BS1	LCS	09/18/14
BI40972-BSD1	LCS Dup	09/18/14

**Batch ID:** BI40981      **Preparation Method:** EPA 5035A      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-01	SP6 (0-2)	09/18/14
14I0590-02	SP7 (10-12)	09/18/14
14I0590-03	SP8 (0-2)	09/18/14
14I0590-06	SP6 (10-12)	09/18/14
14I0590-07	SP7 (16-18)	09/18/14
14I0590-08	SP8 (2-4)	09/18/14
BI40981-BLK1	Blank	09/18/14
BI40981-BS1	LCS	09/18/14
BI40981-BSD1	LCS Dup	09/18/14

**Batch ID:** BI40988      **Preparation Method:** EPA SW846-3060      **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-01	SP6 (0-2)	09/19/14
14I0590-02	SP7 (10-12)	09/19/14
14I0590-03	SP8 (0-2)	09/19/14
14I0590-06	SP6 (10-12)	09/19/14
14I0590-07	SP7 (16-18)	09/19/14
14I0590-08	SP8 (2-4)	09/19/14
BI40988-BLK1	Blank	09/19/14
BI40988-DUP1	Duplicate	09/19/14
BI40988-MS1	Matrix Spike	09/19/14
BI40988-SRM1	Reference	09/19/14



**Batch ID:** BI41017                      **Preparation Method:** Analysis Preparation                      **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-04	GW1	09/19/14
14I0590-05	GW2	09/19/14
BI41017-BLK1	Blank	09/19/14
BI41017-BS1	LCS	09/19/14
BI41017-DUP1	Duplicate	09/19/14
BI41017-MS1	Matrix Spike	09/19/14

**Batch ID:** BI41021                      **Preparation Method:** EPA SW846-3060                      **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-01	SP6 (0-2)	09/19/14
14I0590-02	SP7 (10-12)	09/19/14
14I0590-03	SP8 (0-2)	09/19/14
14I0590-06	SP6 (10-12)	09/19/14
14I0590-07	SP7 (16-18)	09/19/14
14I0590-08	SP8 (2-4)	09/19/14

**Batch ID:** BI41022                      **Preparation Method:** \*\*\* DEFAULT PREP \*\*\*                      **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
14I0590-04	GW1	09/19/14
14I0590-05	GW2	09/19/14



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40972 - EPA 5030B**

**Blank (BI40972-BLK1)**

Prepared & Analyzed: 09/18/2014

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4,5-Tetramethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Butanone	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	0.24	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40972 - EPA 5030B

Blank (BI40972-BLK1)

Prepared & Analyzed: 09/18/2014

Naphthalene	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Diethylbenzene	ND	0.50	"								
p-Ethyltoluene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.4</i>		<i>"</i>	<i>10.0</i>		<i>124</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.24</i>		<i>"</i>	<i>10.0</i>		<i>92.4</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.09</i>		<i>"</i>	<i>10.0</i>		<i>90.9</i>	<i>88-114</i>				

LCS (BI40972-BS1)

Prepared & Analyzed: 09/18/2014

1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0		114	85-118				
1,1,1-Trichloroethane	11.8		"	10.0		118	74-128				
1,1,2,2-Tetrachloroethane	8.29		"	10.0		82.9	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	51-157				
1,1,2-Trichloroethane	10.2		"	10.0		102	80-122				
1,1-Dichloroethane	10.3		"	10.0		103	70-131				
1,1-Dichloroethylene	9.98		"	10.0		99.8	60-143				
1,1-Dichloropropylene	10.9		"	10.0		109	78-122				
1,2,3-Trichlorobenzene	9.97		"	10.0		99.7	68-140				
1,2,3-Trichloropropane	9.18		"	10.0		91.8	77-125				
1,2,4,5-Tetramethylbenzene	9.50		"	10.0		95.0	83-125				
1,2,4-Trichlorobenzene	9.82		"	10.0		98.2	65-143				
1,2,4-Trimethylbenzene	8.79		"	10.0		87.9	83-121				
1,2-Dibromo-3-chloropropane	8.08		"	10.0		80.8	60-146				
1,2-Dibromoethane	10.6		"	10.0		106	82-122				
1,2-Dichlorobenzene	9.78		"	10.0		97.8	85-115				
1,2-Dichloroethane	1.02		"	10.0		10.2	72-126		Low Bias		
1,2-Dichloropropane	8.75		"	10.0		87.5	78-119				
1,3,5-Trimethylbenzene	8.62		"	10.0		86.2	84-118				
1,3-Dichlorobenzene	9.33		"	10.0		93.3	83-117				
1,3-Dichloropropane	9.92		"	10.0		99.2	79-121				
1,4-Dichlorobenzene	9.25		"	10.0		92.5	83-118				
2,2-Dichloropropane	11.9		"	10.0		119	60-135				
2-Butanone	10.5		"	10.0		105	48-156				
2-Chlorotoluene	8.64		"	10.0		86.4	81-118				
2-Hexanone	8.65		"	10.0		86.5	50-151				
4-Chlorotoluene	8.73		"	10.0		87.3	81-117				
4-Methyl-2-pentanone	9.45		"	10.0		94.5	55-147				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40972 - EPA 5030B

LCS (BI40972-BS1)

Prepared & Analyzed: 09/18/2014

Acetone	12.5		ug/L	10.0		125	21-172				
Benzene	11.1		"	10.0		111	82-120				
Bromobenzene	7.68		"	10.0		76.8	82-119	Low Bias			
Bromochloromethane	9.45		"	10.0		94.5	69-125				
Bromodichloromethane	10.6		"	10.0		106	84-117				
Bromoform	13.1		"	10.0		131	77-130	High Bias			
Bromomethane	11.4		"	10.0		114	16-162				
Carbon disulfide	10.2		"	10.0		102	21-78	High Bias			
Carbon tetrachloride	12.5		"	10.0		125	72-132				
Chlorobenzene	10.4		"	10.0		104	88-112				
Chloroethane	9.35		"	10.0		93.5	29-172				
Chloroform	11.8		"	10.0		118	77-124				
Chloromethane	8.02		"	10.0		80.2	37-131				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	77-124				
cis-1,3-Dichloropropylene	9.89		"	10.0		98.9	81-117				
Dibromochloromethane	11.5		"	10.0		115	72-131				
Dibromomethane	9.68		"	10.0		96.8	85-116				
Dichlorodifluoromethane	8.17		"	10.0		81.7	47-152				
Ethyl Benzene	10.3		"	10.0		103	86-114				
Hexachlorobutadiene	10.3		"	10.0		103	68-139				
Isopropylbenzene	8.79		"	10.0		87.9	84-118				
Methyl tert-butyl ether (MTBE)	12.1		"	10.0		121	49-156				
Methylene chloride	3.63		"	10.0		36.3	51-145	Low Bias			
Naphthalene	8.94		"	10.0		89.4	67-141				
n-Butylbenzene	8.95		"	10.0		89.5	76-125				
n-Propylbenzene	8.40		"	10.0		84.0	84-118				
o-Xylene	10.4		"	10.0		104	85-114				
p- & m- Xylenes	20.8		"	20.0		104	84-117				
p-Diethylbenzene	9.34		"	10.0		93.4	79-127				
p-Ethyltoluene	8.62		"	10.0		86.2	84-119				
p-Isopropyltoluene	9.16		"	10.0		91.6	84-121				
sec-Butylbenzene	8.58		"	10.0		85.8	85-119				
Styrene	10.7		"	10.0		107	77-126				
tert-Butylbenzene	9.21		"	10.0		92.1	83-119				
Tetrachloroethylene	10.4		"	10.0		104	75-129				
Toluene	9.77		"	10.0		97.7	86-113				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	55-148				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	77-120				
Trichloroethylene	11.0		"	10.0		110	85-115				
Trichlorofluoromethane	11.0		"	10.0		110	69-131				
Vinyl Chloride	8.85		"	10.0		88.5	44-152				
Surrogate: 1,2-Dichloroethane-d4	10.1		"	10.0		101	81-123				
Surrogate: p-Bromofluorobenzene	8.34		"	10.0		83.4	70-128				
Surrogate: Toluene-d8	9.22		"	10.0		92.2	88-114				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI40972 - EPA 5030B</b>											
<b>LCS Dup (BI40972-bsd1)</b>											
Prepared & Analyzed: 09/18/2014											
1,1,1,2-Tetrachloroethane	11.9		ug/L	10.0		119	85-118	High Bias	4.98	30	
1,1,1-Trichloroethane	14.3		"	10.0		143	74-128	High Bias	19.2	30	
1,1,2,2-Tetrachloroethane	8.31		"	10.0		83.1	71-130		0.241	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.8		"	10.0		138	51-157		24.5	30	
1,1,2-Trichloroethane	10.4		"	10.0		104	80-122		1.36	30	
1,1-Dichloroethane	11.6		"	10.0		116	70-131		11.9	30	
1,1-Dichloroethylene	12.3		"	10.0		123	60-143		20.9	30	
1,1-Dichloropropylene	13.5		"	10.0		135	78-122	High Bias	21.1	30	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	68-140		7.62	30	
1,2,3-Trichloropropane	8.91		"	10.0		89.1	77-125		2.99	30	
1,2,4,5-Tetramethylbenzene	10.1		"	10.0		101	83-125		6.22	30	
1,2,4-Trichlorobenzene	10.7		"	10.0		107	65-143		8.39	30	
1,2,4-Trimethylbenzene	9.30		"	10.0		93.0	83-121		5.64	30	
1,2-Dibromo-3-chloropropane	8.61		"	10.0		86.1	60-146		6.35	30	
1,2-Dibromoethane	10.6		"	10.0		106	82-122		0.283	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	85-115		4.69	30	
1,2-Dichloroethane	12.9		"	10.0		129	72-126	High Bias	171	30	Non-dir.
1,2-Dichloropropane	8.55		"	10.0		85.5	78-119		2.31	30	
1,3,5-Trimethylbenzene	9.21		"	10.0		92.1	84-118		6.62	30	
1,3-Dichlorobenzene	9.99		"	10.0		99.9	83-117		6.83	30	
1,3-Dichloropropane	9.86		"	10.0		98.6	79-121		0.607	30	
1,4-Dichlorobenzene	9.92		"	10.0		99.2	83-118		6.99	30	
2,2-Dichloropropane	14.2		"	10.0		142	60-135	High Bias	17.4	30	
2-Butanone	12.7		"	10.0		127	48-156		19.0	30	
2-Chlorotoluene	9.14		"	10.0		91.4	81-118		5.62	30	
2-Hexanone	8.40		"	10.0		84.0	50-151		2.93	30	
4-Chlorotoluene	8.98		"	10.0		89.8	81-117		2.82	30	
4-Methyl-2-pentanone	9.23		"	10.0		92.3	55-147		2.36	30	
Acetone	14.0		"	10.0		140	21-172		11.5	30	
Benzene	12.8		"	10.0		128	82-120	High Bias	14.0	30	
Bromobenzene	8.07		"	10.0		80.7	82-119	Low Bias	4.95	30	
Bromochloromethane	10.5		"	10.0		105	69-125		10.3	30	
Bromodichloromethane	10.5		"	10.0		105	84-117		0.662	30	
Bromoform	13.2		"	10.0		132	77-130	High Bias	1.37	30	
Bromomethane	14.0		"	10.0		140	16-162		19.8	30	
Carbon disulfide	12.7		"	10.0		127	21-78	High Bias	21.7	30	
Carbon tetrachloride	15.0		"	10.0		150	72-132	High Bias	18.4	30	
Chlorobenzene	10.7		"	10.0		107	88-112		2.37	30	
Chloroethane	11.3		"	10.0		113	29-172		19.0	30	
Chloroform	14.0		"	10.0		140	77-124	High Bias	16.6	30	
Chloromethane	9.27		"	10.0		92.7	37-131		14.5	30	
cis-1,2-Dichloroethylene	11.9		"	10.0		119	77-124		13.3	30	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	81-117		3.67	30	
Dibromochloromethane	11.5		"	10.0		115	72-131		0.00	30	
Dibromomethane	9.47		"	10.0		94.7	85-116		2.19	30	
Dichlorodifluoromethane	10.3		"	10.0		103	47-152		23.4	30	
Ethyl Benzene	10.9		"	10.0		109	86-114		5.76	30	
Hexachlorobutadiene	11.3		"	10.0		113	68-139		8.79	30	
Isopropylbenzene	9.13		"	10.0		91.3	84-118		3.79	30	
Methyl tert-butyl ether (MTBE)	13.7		"	10.0		137	49-156		12.5	30	
Methylene chloride	4.26		"	10.0		42.6	51-145	Low Bias	16.0	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40972 - EPA 5030B**

**LCS Dup (BI40972-BSD1)**

Prepared & Analyzed: 09/18/2014

Naphthalene	9.70		ug/L	10.0		97.0	67-141		8.15	30	
n-Butylbenzene	9.63		"	10.0		96.3	76-125		7.32	30	
n-Propylbenzene	8.93		"	10.0		89.3	84-118		6.12	30	
o-Xylene	10.9		"	10.0		109	85-114		4.61	30	
p- & m- Xylenes	21.9		"	20.0		109	84-117		5.07	30	
p-Diethylbenzene	9.79		"	10.0		97.9	79-127		4.70	30	
p-Ethyltoluene	9.21		"	10.0		92.1	84-119		6.62	30	
p-Isopropyltoluene	9.87		"	10.0		98.7	84-121		7.46	30	
sec-Butylbenzene	9.53		"	10.0		95.3	85-119		10.5	30	
Styrene	11.1		"	10.0		111	77-126		3.50	30	
tert-Butylbenzene	9.83		"	10.0		98.3	83-119		6.51	30	
Tetrachloroethylene	10.7		"	10.0		107	75-129		2.93	30	
Toluene	9.94		"	10.0		99.4	86-113		1.73	30	
trans-1,2-Dichloroethylene	11.6		"	10.0		116	55-148		14.4	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	77-120		1.43	30	
Trichloroethylene	10.2		"	10.0		102	85-115		8.20	30	
Trichlorofluoromethane	13.8		"	10.0		138	69-131	High Bias	23.0	30	
Vinyl Chloride	10.8		"	10.0		108	44-152		19.8	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.4</i>		<i>"</i>	<i>10.0</i>		<i>114</i>	<i>81-123</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>8.39</i>		<i>"</i>	<i>10.0</i>		<i>83.9</i>	<i>70-128</i>				
<i>Surrogate: Toluene-d8</i>	<i>8.95</i>		<i>"</i>	<i>10.0</i>		<i>89.5</i>	<i>88-114</i>				

**Batch BI40981 - EPA 5035A**

**Blank (BI40981-BLK1)**

Prepared & Analyzed: 09/18/2014

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
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	"								
1,4-Dioxane	ND	100	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	21	10	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40981 - EPA 5035A

Blank (BI40981-BLK1)

Prepared & Analyzed: 09/18/2014

Benzene	ND	5.0	ug/kg wet								
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	10	"								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
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	52.8		ug/L	50.0		106	67-130				
Surrogate: p-Bromofluorobenzene	46.8		"	50.0		93.6	75-127				
Surrogate: Toluene-d8	52.2		"	50.0		104	90-112				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BI40981 - EPA 5035A**

**LCS (BI40981-BS1)**

Prepared & Analyzed: 09/18/2014

1,1,1,2-Tetrachloroethane	54.8		ug/L	50.0		110	72-126					
1,1,1-Trichloroethane	54.8		"	50.0		110	74-126					
1,1,2,2-Tetrachloroethane	49.8		"	50.0		99.6	72-133					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61.7		"	50.0		123	47-160					
1,1,2-Trichloroethane	51.6		"	50.0		103	81-124					
1,1-Dichloroethane	50.9		"	50.0		102	80-125					
1,1-Dichloroethylene	56.6		"	50.0		113	62-136					
1,1-Dichloropropylene	51.2		"	50.0		102	81-121					
1,2,3-Trichlorobenzene	54.0		"	50.0		108	63-154					
1,2,3-Trichloropropane	51.6		"	50.0		103	70-126					
1,2,4-Trichlorobenzene	54.0		"	50.0		108	61-158					
1,2,4-Trimethylbenzene	52.2		"	50.0		104	83-123					
1,2-Dibromo-3-chloropropane	54.9		"	50.0		110	48-152					
1,2-Dibromoethane	53.7		"	50.0		107	81-123					
1,2-Dichlorobenzene	54.6		"	50.0		109	81-117					
1,2-Dichloroethane	55.4		"	50.0		111	67-129					
1,2-Dichloropropane	49.8		"	50.0		99.7	74-127					
1,3,5-Trimethylbenzene	50.6		"	50.0		101	81-120					
1,3-Dichlorobenzene	52.0		"	50.0		104	84-117					
1,3-Dichloropropane	50.6		"	50.0		101	77-125					
1,4-Dichlorobenzene	52.5		"	50.0		105	85-118					
1,4-Dioxane	123.0		"	1000		123	31-190					
2,2-Dichloropropane	53.2		"	50.0		106	69-129					
2-Butanone	48.9		"	50.0		97.7	58-159					
2-Chlorotoluene	48.0		"	50.0		96.0	75-123					
4-Chlorotoluene	49.9		"	50.0		99.8	76-121					
Acetone	72.1		"	50.0		144	32-173					
Benzene	50.4		"	50.0		101	83-126					
Bromobenzene	52.0		"	50.0		104	70-130					
Bromochloromethane	46.3		"	50.0		92.6	73-128					
Bromodichloromethane	52.9		"	50.0		106	74-126					
Bromoform	53.1		"	50.0		106	63-137					
Bromomethane	59.3		"	50.0		119	24-144					
Carbon tetrachloride	54.6		"	50.0		109	68-132					
Chlorobenzene	51.6		"	50.0		103	87-115					
Chloroethane	59.1		"	50.0		118	39-146					
Chloroform	52.1		"	50.0		104	84-120					
Chloromethane	48.8		"	50.0		97.7	35-153					
cis-1,2-Dichloroethylene	49.7		"	50.0		99.4	86-121					
cis-1,3-Dichloropropylene	51.3		"	50.0		103	78-122					
Dibromochloromethane	55.1		"	50.0		110	41-149					
Dibromomethane	52.4		"	50.0		105	82-118					
Dichlorodifluoromethane	43.4		"	50.0		86.7	52-143					
Ethyl Benzene	51.9		"	50.0		104	81-118					
Hexachlorobutadiene	54.2		"	50.0		108	70-133					
Isopropylbenzene	50.6		"	50.0		101	78-122					
Methyl tert-butyl ether (MTBE)	51.0		"	50.0		102	62-140					
Methylene chloride	51.0		"	50.0		102	48-143					
Naphthalene	53.6		"	50.0		107	55-160					
n-Butylbenzene	50.8		"	50.0		102	71-142					
n-Propylbenzene	50.2		"	50.0		100	80-123					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit
<b>Batch BI40981 - EPA 5035A</b>											
<b>LCS (BI40981-BS1)</b>											
Prepared & Analyzed: 09/18/2014											
o-Xylene	52.5		ug/L	50.0		105		81-118			
p- & m- Xylenes	105		"	100		105		80-120			
p-Isopropyltoluene	52.6		"	50.0		105		83-126			
sec-Butylbenzene	52.0		"	50.0		104		84-123			
Styrene	52.8		"	50.0		106		85-115			
tert-Butylbenzene	52.0		"	50.0		104		78-122			
Tetrachloroethylene	51.1		"	50.0		102		76-129			
Toluene	51.3		"	50.0		103		85-116			
trans-1,2-Dichloroethylene	48.9		"	50.0		97.7		66-136			
trans-1,3-Dichloropropylene	52.2		"	50.0		104		71-128			
Trichloroethylene	51.3		"	50.0		103		83-118			
Trichlorofluoromethane	56.3		"	50.0		113		54-141			
Vinyl Chloride	54.8		"	50.0		110		38-147			
Vinyl acetate	50.1		"	50.0		100		67-136			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>55.0</i>		<i>"</i>	<i>50.0</i>		<i>110</i>		<i>67-130</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>47.4</i>		<i>"</i>	<i>50.0</i>		<i>94.8</i>		<i>75-127</i>			
<i>Surrogate: Toluene-d8</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.7</i>		<i>90-112</i>			
<b>LCS Dup (BI40981-BSD1)</b>											
Prepared & Analyzed: 09/18/2014											
1,1,1,2-Tetrachloroethane	56.2		ug/L	50.0		112		72-126		2.50	30
1,1,1-Trichloroethane	55.6		"	50.0		111		74-126		1.41	30
1,1,2,2-Tetrachloroethane	53.3		"	50.0		107		72-133		6.71	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	64.9		"	50.0		130		47-160		5.10	30
1,1,2-Trichloroethane	52.8		"	50.0		106		81-124		2.38	30
1,1-Dichloroethane	52.2		"	50.0		104		80-125		2.66	30
1,1-Dichloroethylene	61.7		"	50.0		123		62-136		8.52	30
1,1-Dichloropropylene	52.6		"	50.0		105		81-121		2.77	30
1,2,3-Trichlorobenzene	55.4		"	50.0		111		63-154		2.69	30
1,2,3-Trichloropropane	54.6		"	50.0		109		70-126		5.67	30
1,2,4-Trichlorobenzene	53.9		"	50.0		108		61-158		0.0556	30
1,2,4-Trimethylbenzene	54.0		"	50.0		108		83-123		3.33	30
1,2-Dibromo-3-chloropropane	56.6		"	50.0		113		48-152		3.03	30
1,2-Dibromoethane	55.7		"	50.0		111		81-123		3.75	30
1,2-Dichlorobenzene	55.8		"	50.0		112		81-117		2.32	30
1,2-Dichloroethane	58.4		"	50.0		117		67-129		5.17	30
1,2-Dichloropropane	50.6		"	50.0		101		74-127		1.47	30
1,3,5-Trimethylbenzene	52.7		"	50.0		105		81-120		4.11	30
1,3-Dichlorobenzene	54.0		"	50.0		108		84-117		3.83	30
1,3-Dichloropropane	52.9		"	50.0		106		77-125		4.47	30
1,4-Dichlorobenzene	54.7		"	50.0		109		85-118		3.97	30
1,4-Dioxane	1090		"	1000		109		31-190		12.7	30
2,2-Dichloropropane	55.0		"	50.0		110		69-129		3.38	30
2-Butanone	48.2		"	50.0		96.4		58-159		1.38	30
2-Chlorotoluene	49.1		"	50.0		98.2		75-123		2.22	30
4-Chlorotoluene	51.0		"	50.0		102		76-121		2.30	30
Acetone	80.5		"	50.0		161		32-173		11.0	30
Benzene	51.6		"	50.0		103		83-126		2.29	30
Bromobenzene	53.0		"	50.0		106		70-130		1.90	30
Bromochloromethane	56.1		"	50.0		112		73-128		19.2	30
Bromodichloromethane	55.3		"	50.0		111		74-126		4.36	30
Bromoform	54.9		"	50.0		110		63-137		3.26	30
Bromomethane	66.8		"	50.0		134		24-144		11.9	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40981 - EPA 5035A

LCS Dup (BI40981-BSD1)

Prepared & Analyzed: 09/18/2014

Carbon tetrachloride	55.3		ug/L	50.0		111	68-132		1.26	30	
Chlorobenzene	53.6		"	50.0		107	87-115		3.82	30	
Chloroethane	72.2		"	50.0		144	39-146		20.0	30	
Chloroform	53.1		"	50.0		106	84-120		2.02	30	
Chloromethane	49.6		"	50.0		99.2	35-153		1.54	30	
cis-1,2-Dichloroethylene	51.8		"	50.0		104	86-121		4.22	30	
cis-1,3-Dichloropropylene	53.6		"	50.0		107	78-122		4.27	30	
Dibromochloromethane	56.1		"	50.0		112	41-149		1.78	30	
Dibromomethane	53.6		"	50.0		107	82-118		2.38	30	
Dichlorodifluoromethane	43.8		"	50.0		87.6	52-143		0.987	30	
Ethyl Benzene	53.6		"	50.0		107	81-118		3.21	30	
Hexachlorobutadiene	52.8		"	50.0		106	70-133		2.71	30	
Isopropylbenzene	52.8		"	50.0		106	78-122		4.14	30	
Methyl tert-butyl ether (MTBE)	52.7		"	50.0		105	62-140		3.39	30	
Methylene chloride	53.7		"	50.0		107	48-143		5.27	30	
Naphthalene	55.5		"	50.0		111	55-160		3.50	30	
n-Butylbenzene	50.9		"	50.0		102	71-142		0.315	30	
n-Propylbenzene	51.4		"	50.0		103	80-123		2.50	30	
o-Xylene	55.6		"	50.0		111	81-118		5.70	30	
p- & m- Xylenes	107		"	100		107	80-120		2.42	30	
p-Isopropyltoluene	54.4		"	50.0		109	83-126		3.40	30	
sec-Butylbenzene	53.2		"	50.0		106	84-123		2.23	30	
Styrene	55.1		"	50.0		110	85-115		4.34	30	
tert-Butylbenzene	54.8		"	50.0		110	78-122		5.23	30	
Tetrachloroethylene	52.2		"	50.0		104	76-129		1.99	30	
Toluene	52.1		"	50.0		104	85-116		1.66	30	
trans-1,2-Dichloroethylene	49.3		"	50.0		98.7	66-136		0.937	30	
trans-1,3-Dichloropropylene	54.6		"	50.0		109	71-128		4.45	30	
Trichloroethylene	52.1		"	50.0		104	83-118		1.47	30	
Trichlorofluoromethane	59.9		"	50.0		120	54-141		6.14	30	
Vinyl Chloride	62.8		"	50.0		126	38-147		13.7	30	
Vinyl acetate	53.1		"	50.0		106	67-136		5.84	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>54.8</i>		<i>"</i>	<i>50.0</i>		<i>110</i>	<i>67-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>49.1</i>		<i>"</i>	<i>50.0</i>		<i>98.1</i>	<i>75-127</i>				
<i>Surrogate: Toluene-d8</i>	<i>48.7</i>		<i>"</i>	<i>50.0</i>		<i>97.3</i>	<i>90-112</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40881 - EPA 3550C

Blank (BI40881-BLK1)

Prepared & Analyzed: 09/18/2014

Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	ND	167	"								
Aniline	ND	167	"								
Anthracene	ND	167	"								
Benzo(a)anthracene	ND	167	"								
Benzo(a)pyrene	ND	167	"								
Benzo(b)fluoranthene	ND	167	"								
Benzo(g,h,i)perylene	ND	167	"								
Benzo(k)fluoranthene	ND	167	"								
Benzyl alcohol	ND	167	"								
Benzyl butyl phthalate	ND	167	"								
4-Bromophenyl phenyl ether	ND	167	"								
4-Chloro-3-methylphenol	ND	167	"								
4-Chloroaniline	ND	167	"								
Bis(2-chloroethoxy)methane	ND	167	"								
Bis(2-chloroethyl)ether	ND	167	"								
Bis(2-chloroisopropyl)ether	ND	167	"								
2-Chloronaphthalene	ND	167	"								
2-Chlorophenol	ND	167	"								
4-Chlorophenyl phenyl ether	ND	167	"								
Chrysene	ND	167	"								
Dibenzo(a,h)anthracene	ND	167	"								
Dibenzofuran	ND	167	"								
Di-n-butyl phthalate	ND	167	"								
1,3-Dichlorobenzene	ND	167	"								
1,4-Dichlorobenzene	ND	167	"								
1,2-Dichlorobenzene	ND	167	"								
3,3'-Dichlorobenzidine	ND	333	"								
2,4-Dichlorophenol	ND	167	"								
Diethyl phthalate	ND	167	"								
2,4-Dimethylphenol	ND	167	"								
Dimethyl phthalate	ND	167	"								
4,6-Dinitro-2-methylphenol	ND	167	"								
2,4-Dinitrophenol	ND	333	"								
2,4-Dinitrotoluene	ND	167	"								
2,6-Dinitrotoluene	ND	167	"								
Di-n-octyl phthalate	ND	167	"								
Bis(2-ethylhexyl)phthalate	ND	167	"								
Fluoranthene	ND	167	"								
Fluorene	ND	167	"								
Hexachlorobenzene	ND	167	"								
Hexachlorobutadiene	ND	167	"								
Hexachlorocyclopentadiene	ND	167	"								
Hexachloroethane	ND	167	"								
Indeno(1,2,3-cd)pyrene	ND	167	"								
Isophorone	ND	167	"								
2-Methylnaphthalene	ND	167	"								
2-Methylphenol	ND	167	"								
3- & 4-Methylphenols	ND	167	"								
Naphthalene	ND	167	"								
3-Nitroaniline	ND	167	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI40881 - EPA 3550C

Blank (BI40881-BLK1)

Prepared & Analyzed: 09/18/2014

2-Nitroaniline	ND	167	ug/kg wet								
4-Nitroaniline	ND	167	"								
Nitrobenzene	ND	167	"								
2-Nitrophenol	ND	167	"								
4-Nitrophenol	ND	167	"								
N-nitroso-di-n-propylamine	ND	167	"								
N-Nitrosodimethylamine	ND	167	"								
N-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
<i>Surrogate: 2-Fluorophenol</i>	<i>1810</i>		<i>"</i>	<i>2510</i>		<i>72.2</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>1900</i>		<i>"</i>	<i>2510</i>		<i>75.7</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1190</i>		<i>"</i>	<i>1670</i>		<i>71.4</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1160</i>		<i>"</i>	<i>1670</i>		<i>69.9</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1790</i>		<i>"</i>	<i>2500</i>		<i>71.7</i>	<i>10-150</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1320</i>		<i>"</i>	<i>1670</i>		<i>78.7</i>	<i>10-137</i>				

LCS (BI40881-BS1)

Prepared & Analyzed: 09/18/2014

Acenaphthene	1470	167	ug/kg wet	1670		88.2	17-124				
Acenaphthylene	1390	167	"	1670		83.6	16-124				
Aniline	943	167	"	1670		56.6	10-111				
Anthracene	1430	167	"	1670		85.7	24-124				
Benzo(a)anthracene	1310	167	"	1670		78.6	25-134				
Benzo(a)pyrene	1470	167	"	1670		88.1	29-144				
Benzo(b)fluoranthene	1700	167	"	1670		102	20-151				
Benzo(g,h,i)perylene	987	167	"	1670		59.2	10-153				
Benzo(k)fluoranthene	1430	167	"	1670		86.0	10-148				
Benzyl alcohol	1380	167	"	1670		82.5	17-128				
Benzyl butyl phthalate	1440	167	"	1670		86.6	10-132				
4-Bromophenyl phenyl ether	1340	167	"	1670		80.3	30-138				
4-Chloro-3-methylphenol	1420	167	"	1670		85.5	16-138				
4-Chloroaniline	1380	167	"	1670		82.9	10-117				
Bis(2-chloroethoxy)methane	1500	167	"	1670		90.2	10-129				
Bis(2-chloroethyl)ether	1450	167	"	1670		87.1	14-125				
Bis(2-chloroisopropyl)ether	1590	167	"	1670		95.1	14-122				
2-Chloronaphthalene	1450	167	"	1670		86.8	22-115				
2-Chlorophenol	1310	167	"	1670		78.7	25-121				
4-Chlorophenyl phenyl ether	1380	167	"	1670		82.5	18-132				
Chrysene	1520	167	"	1670		91.2	24-116				
Dibenzo(a,h)anthracene	1090	167	"	1670		65.2	17-147				
Dibenzofuran	1390	167	"	1670		83.3	23-123				
Di-n-butyl phthalate	1390	167	"	1670		83.6	19-123				
1,3-Dichlorobenzene	1280	167	"	1670		76.6	32-113				
1,4-Dichlorobenzene	1260	167	"	1670		75.6	28-111				
1,2-Dichlorobenzene	1310	167	"	1670		78.8	26-113				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI40881 - EPA 3550C

LCS (BI40881-BS1)

Prepared & Analyzed: 09/18/2014

3,3'-Dichlorobenzidine	1460	333	ug/kg wet	1670		87.7		10-147			
2,4-Dichlorophenol	1310	167	"	1670		78.6		23-133			
Diethyl phthalate	1540	167	"	1670		92.2		23-122			
2,4-Dimethylphenol	1290	167	"	1670		77.2		15-131			
Dimethyl phthalate	1620	167	"	1670		97.1		28-127			
4,6-Dinitro-2-methylphenol	1260	167	"	1670		75.6		10-149			
2,4-Dinitrophenol	1040	333	"	1670		62.5		10-149			
2,4-Dinitrotoluene	1760	167	"	1670		106		30-123			
2,6-Dinitrotoluene	1550	167	"	1670		93.1		30-125			
Di-n-octyl phthalate	1490	167	"	1670		89.5		10-132			
Bis(2-ethylhexyl)phthalate	1480	167	"	1670		88.8		10-141			
Fluoranthene	1400	167	"	1670		83.8		36-125			
Fluorene	1460	167	"	1670		87.5		16-130			
Hexachlorobenzene	1400	167	"	1670		83.7		10-129			
Hexachlorobutadiene	1260	167	"	1670		75.5		22-153			
Hexachlorocyclopentadiene	1190	167	"	1670		71.5		10-134			
Hexachloroethane	1380	167	"	1670		83.0		20-112			
Indeno(1,2,3-cd)pyrene	1070	167	"	1670		64.0		10-155			
Isophorone	1410	167	"	1670		84.6		14-131			
2-Methylnaphthalene	1360	167	"	1670		81.7		16-127			
2-Methylphenol	1290	167	"	1670		77.1		10-146			
3- & 4-Methylphenols	1230	167	"	1670		73.5		20-109			
Naphthalene	1430	167	"	1670		85.9		20-121			
3-Nitroaniline	1430	167	"	1670		85.8		23-123			
2-Nitroaniline	1630	167	"	1670		97.9		24-126			
4-Nitroaniline	1630	167	"	1670		97.8		14-125			
Nitrobenzene	1380	167	"	1670		83.0		20-121			
2-Nitrophenol	1320	167	"	1670		79.4		17-129			
4-Nitrophenol	1430	167	"	1670		85.8		10-136			
N-nitroso-di-n-propylamine	1410	167	"	1670		84.8		21-119			
N-Nitrosodimethylamine	1300	167	"	1670		77.9		10-124			
N-Nitrosodiphenylamine	1570	167	"	1670		93.9		10-163			
Pentachlorophenol	1070	167	"	1670		64.2		10-143			
Phenanthrene	1460	167	"	1670		87.7		24-123			
Phenol	1290	167	"	1670		77.5		15-123			
Pyrene	1380	167	"	1670		82.7		24-132			
Pyridine	319	167	"	1670		19.2		10-92			
1,2,4-Trichlorobenzene	1280	167	"	1670		76.7		23-130			
2,4,6-Trichlorophenol	1310	167	"	1670		78.5		27-122			
2,4,5-Trichlorophenol	1270	167	"	1670		76.4		14-138			
<i>Surrogate: 2-Fluorophenol</i>	<i>2160</i>		<i>"</i>	<i>2510</i>		<i>86.1</i>		<i>10-105</i>			
<i>Surrogate: Phenol-d5</i>	<i>2140</i>		<i>"</i>	<i>2510</i>		<i>85.3</i>		<i>10-118</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1460</i>		<i>"</i>	<i>1670</i>		<i>87.2</i>		<i>10-140</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1350</i>		<i>"</i>	<i>1670</i>		<i>80.8</i>		<i>10-126</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1930</i>		<i>"</i>	<i>2500</i>		<i>77.0</i>		<i>30-130</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1260</i>		<i>"</i>	<i>1670</i>		<i>75.3</i>		<i>10-137</i>			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI40881 - EPA 3550C</b>											
<b>LCS Dup (BI40881-bsd1)</b>											
										Prepared & Analyzed: 09/18/2014	
Acenaphthene	1230	167	ug/kg wet	1670		73.9	17-124		17.7	30	
Acenaphthylene	1180	167	"	1670		70.5	16-124		17.0	30	
Aniline	749	167	"	1670		44.9	10-111		23.0	30	
Anthracene	1250	167	"	1670		74.9	24-124		13.5	30	
Benzo(a)anthracene	1150	167	"	1670		68.8	25-134		13.3	30	
Benzo(a)pyrene	1260	167	"	1670		75.7	29-144		15.1	30	
Benzo(b)fluoranthene	1590	167	"	1670		95.1	20-151		7.16	30	
Benzo(g,h,i)perylene	845	167	"	1670		50.7	10-153		15.4	30	
Benzo(k)fluoranthene	1340	167	"	1670		80.5	10-148		6.56	30	
Benzyl alcohol	1110	167	"	1670		66.7	17-128		21.2	30	
Benzyl butyl phthalate	1240	167	"	1670		74.5	10-132		14.9	30	
4-Bromophenyl phenyl ether	1140	167	"	1670		68.6	30-138		15.7	30	
4-Chloro-3-methylphenol	1180	167	"	1670		70.7	16-138		18.9	30	
4-Chloroaniline	1220	167	"	1670		73.3	10-117		12.3	30	
Bis(2-chloroethoxy)methane	1220	167	"	1670		73.3	10-129		20.7	30	
Bis(2-chloroethyl)ether	1160	167	"	1670		69.8	14-125		22.0	30	
Bis(2-chloroisopropyl)ether	1270	167	"	1670		76.1	14-122		22.2	30	
2-Chloronaphthalene	1230	167	"	1670		73.6	22-115		16.5	30	
2-Chlorophenol	1040	167	"	1670		62.1	25-121		23.6	30	
4-Chlorophenyl phenyl ether	1200	167	"	1670		72.3	18-132		13.2	30	
Chrysene	1370	167	"	1670		81.9	24-116		10.7	30	
Dibenzo(a,h)anthracene	905	167	"	1670		54.3	17-147		18.2	30	
Dibenzofuran	1200	167	"	1670		71.8	23-123		14.9	30	
Di-n-butyl phthalate	1210	167	"	1670		72.4	19-123		14.3	30	
1,3-Dichlorobenzene	1000	167	"	1670		60.0	32-113		24.3	30	
1,4-Dichlorobenzene	987	167	"	1670		59.2	28-111		24.2	30	
1,2-Dichlorobenzene	1040	167	"	1670		62.2	26-113		23.5	30	
3,3'-Dichlorobenzidine	1330	333	"	1670		79.7	10-147		9.63	30	
2,4-Dichlorophenol	1080	167	"	1670		64.7	23-133		19.5	30	
Diethyl phthalate	1290	167	"	1670		77.2	23-122		17.6	30	
2,4-Dimethylphenol	1100	167	"	1670		65.8	15-131		16.0	30	
Dimethyl phthalate	1350	167	"	1670		81.2	28-127		17.7	30	
4,6-Dinitro-2-methylphenol	977	167	"	1670		58.6	10-149		25.3	30	
2,4-Dinitrophenol	737	333	"	1670		44.2	10-149		34.2	30	Non-dir.
2,4-Dinitrotoluene	1470	167	"	1670		88.4	30-123		17.8	30	
2,6-Dinitrotoluene	1300	167	"	1670		78.0	30-125		17.7	30	
Di-n-octyl phthalate	1250	167	"	1670		75.2	10-132		17.4	30	
Bis(2-ethylhexyl)phthalate	1300	167	"	1670		78.0	10-141		12.9	30	
Fluoranthene	1210	167	"	1670		72.7	36-125		14.2	30	
Fluorene	1250	167	"	1670		75.2	16-130		15.1	30	
Hexachlorobenzene	1200	167	"	1670		72.3	10-129		14.6	30	
Hexachlorobutadiene	1010	167	"	1670		60.4	22-153		22.2	30	
Hexachlorocyclopentadiene	967	167	"	1670		58.0	10-134		20.8	30	
Hexachloroethane	1060	167	"	1670		63.6	20-112		26.6	30	
Indeno(1,2,3-cd)pyrene	899	167	"	1670		54.0	10-155		17.0	30	
Isophorone	1170	167	"	1670		69.9	14-131		19.0	30	
2-Methylnaphthalene	1150	167	"	1670		69.3	16-127		16.4	30	
2-Methylphenol	1040	167	"	1670		62.2	10-146		21.4	30	
3- & 4-Methylphenols	989	167	"	1670		59.3	20-109		21.4	30	
Naphthalene	1180	167	"	1670		71.1	20-121		18.9	30	
3-Nitroaniline	1210	167	"	1670		72.4	23-123		16.9	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40881 - EPA 3550C**

**LCS Dup (BI40881-BSD1)**

Prepared & Analyzed: 09/18/2014

2-Nitroaniline	1350	167	ug/kg wet	1670		81.1	24-126		18.7	30	
4-Nitroaniline	1370	167	"	1670		82.4	14-125		17.1	30	
Nitrobenzene	1100	167	"	1670		66.1	20-121		22.7	30	
2-Nitrophenol	1050	167	"	1670		62.8	17-129		23.3	30	
4-Nitrophenol	1190	167	"	1670		71.3	10-136		18.4	30	
N-nitroso-di-n-propylamine	1160	167	"	1670		69.4	21-119		19.9	30	
N-Nitrosodimethylamine	1150	167	"	1670		69.2	10-124		11.8	30	
N-Nitrosodiphenylamine	1370	167	"	1670		82.2	10-163		13.4	30	
Pentachlorophenol	835	167	"	1670		50.1	10-143		24.7	30	
Phenanthrene	1270	167	"	1670		76.3	24-123		13.9	30	
Phenol	925	167	"	1670		55.5	15-123		33.1	30	Non-dir.
Pyrene	1200	167	"	1670		71.7	24-132		14.1	30	
Pyridine	305	167	"	1670		18.3	10-92		4.70	30	
1,2,4-Trichlorobenzene	1040	167	"	1670		62.4	23-130		20.7	30	
2,4,6-Trichlorophenol	1070	167	"	1670		64.3	27-122		19.9	30	
2,4,5-Trichlorophenol	1060	167	"	1670		63.3	14-138		18.7	30	
<i>Surrogate: 2-Fluorophenol</i>	<i>2590</i>		<i>"</i>	<i>2510</i>		<i>103</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>2610</i>		<i>"</i>	<i>2510</i>		<i>104</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1780</i>		<i>"</i>	<i>1670</i>		<i>106</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1620</i>		<i>"</i>	<i>1670</i>		<i>97.5</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>2390</i>		<i>"</i>	<i>2500</i>		<i>95.4</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1570</i>		<i>"</i>	<i>1670</i>		<i>94.0</i>	<i>10-137</i>				

**Batch BI40882 - EPA 3510C**

**Blank (BI40882-BLK1)**

Prepared & Analyzed: 09/18/2014

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	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl alcohol	ND	5.00	"								
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	"								
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	"								
1,4-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI40882 - EPA 3510C

Blank (BI40882-BLK1)

Prepared & Analyzed: 09/18/2014

1,2-Dichlorobenzene	ND	5.00	ug/L								
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	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	0.0500	"								
4-Nitroaniline	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
4-Nitrophenol	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	54.9		"	75.2		73.0	10-53				
Surrogate: Phenol-d5	51.2		"	75.2		68.1	10-39				
Surrogate: Nitrobenzene-d5	38.4		"	50.2		76.6	10-120				
Surrogate: 2-Fluorobiphenyl	35.7		"	50.0		71.4	10-108				
Surrogate: 2,4,6-Tribromophenol	42.6		"	75.1		56.8	10-150				
Surrogate: Terphenyl-d14	41.4		"	50.2		82.6	10-143				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI40882 - EPA 3510C</b>											
<b>LCS (BI40882-BS1)</b>											
Prepared & Analyzed: 09/18/2014											
Acenaphthene	55.6	0.0500	ug/L	50.0		111	24-114				
Acenaphthylene	52.8	0.0500	"	50.0		106	26-112				
Aniline	47.2	5.00	"	50.0		94.4	10-107				
Anthracene	54.1	0.0500	"	50.0		108	35-114				
Benzo(a)anthracene	48.6	0.0500	"	50.0		97.2	38-127				
Benzo(a)pyrene	47.0	0.0500	"	50.0		94.0	30-146				
Benzo(b)fluoranthene	51.3	0.0500	"	50.0		103	36-145				
Benzo(g,h,i)perylene	40.0	0.0500	"	50.0		80.1	10-163				
Benzo(k)fluoranthene	51.8	0.0500	"	50.0		104	16-149				
Benzyl alcohol	44.4	5.00	"	50.0		88.8	18-75	High Bias			
Benzyl butyl phthalate	50.7	5.00	"	50.0		101	28-129				
4-Bromophenyl phenyl ether	47.0	5.00	"	50.0		94.0	38-116				
4-Chloro-3-methylphenol	51.1	5.00	"	50.0		102	28-101	High Bias			
4-Chloroaniline	34.6	5.00	"	50.0		69.1	10-154				
Bis(2-chloroethoxy)methane	55.1	5.00	"	50.0		110	27-112				
Bis(2-chloroethyl)ether	45.9	5.00	"	50.0		91.8	24-114				
Bis(2-chloroisopropyl)ether	61.3	5.00	"	50.0		123	21-124				
2-Chloronaphthalene	51.9	5.00	"	50.0		104	40-96	High Bias			
2-Chlorophenol	40.2	5.00	"	50.0		80.4	35-84				
4-Chlorophenyl phenyl ether	56.0	5.00	"	50.0		112	34-112				
Chrysene	52.2	0.0500	"	50.0		104	33-120				
Dibenzo(a,h)anthracene	41.7	0.0500	"	50.0		83.4	10-149				
Dibenzofuran	51.7	5.00	"	50.0		103	42-105				
Di-n-butyl phthalate	49.6	5.00	"	50.0		99.2	36-110				
1,4-Dichlorobenzene	44.0	5.00	"	50.0		87.9	42-82	High Bias			
1,3-Dichlorobenzene	43.8	5.00	"	50.0		87.5	45-80	High Bias			
1,2-Dichlorobenzene	43.7	5.00	"	50.0		87.4	42-85	High Bias			
3,3'-Dichlorobenzidine	55.2	5.00	"	50.0		110	25-155				
2,4-Dichlorophenol	50.7	5.00	"	50.0		101	43-92	High Bias			
Diethyl phthalate	53.7	5.00	"	50.0		107	38-112				
2,4-Dimethylphenol	51.9	5.00	"	50.0		104	25-92	High Bias			
Dimethyl phthalate	49.8	5.00	"	50.0		99.5	49-106				
4,6-Dinitro-2-methylphenol	55.4	5.00	"	50.0		111	10-135				
2,4-Dinitrophenol	58.5	5.00	"	50.0		117	10-149				
2,4-Dinitrotoluene	53.9	5.00	"	50.0		108	41-114				
2,6-Dinitrotoluene	51.8	5.00	"	50.0		104	49-106				
Di-n-octyl phthalate	52.0	5.00	"	50.0		104	12-149				
Bis(2-ethylhexyl)phthalate	52.6	0.500	"	50.0		105	10-171				
Fluoranthene	51.1	0.0500	"	50.0		102	33-126				
Fluorene	59.2	0.0500	"	50.0		118	28-117	High Bias			
Hexachlorobenzene	49.7	0.0200	"	50.0		99.5	27-120				
Hexachlorobutadiene	53.1	0.500	"	50.0		106	25-106				
Hexachlorocyclopentadiene	45.3	5.00	"	50.0		90.6	10-99				
Hexachloroethane	47.3	0.500	"	50.0		94.6	33-84	High Bias			
Indeno(1,2,3-cd)pyrene	41.4	0.0500	"	50.0		82.8	10-150				
Isophorone	52.3	5.00	"	50.0		105	29-115				
2-Methylnaphthalene	58.1	5.00	"	50.0		116	33-101	High Bias			
2-Methylphenol	45.1	5.00	"	50.0		90.2	10-90	High Bias			
3- & 4-Methylphenols	38.9	5.00	"	50.0		77.9	10-101				
Naphthalene	57.0	0.0500	"	50.0		114	30-99	High Bias			
4-Nitroaniline	46.0	5.00	"	50.0		92.1	15-143				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI40882 - EPA 3510C</b>											
<b>LCS (BI40882-BS1)</b>											
Prepared & Analyzed: 09/18/2014											
3-Nitroaniline	44.0	5.00	ug/L	50.0		87.9	29-128				
2-Nitroaniline	46.9	5.00	"	50.0		93.7	31-122				
Nitrobenzene	56.7	0.250	"	50.0		113	32-113				
4-Nitrophenol	51.0	5.00	"	50.0		102	10-112				
2-Nitrophenol	46.2	5.00	"	50.0		92.5	37-97				
N-nitroso-di-n-propylamine	46.4	5.00	"	50.0		92.8	36-118				
N-Nitrosodimethylamine	106	0.500	"	50.0		211	10-63	High Bias			
N-Nitrosodiphenylamine	61.8	5.00	"	50.0		124	27-145				
Pentachlorophenol	53.4	0.250	"	50.0		107	19-127				
Phenanthrene	55.9	0.0500	"	50.0		112	31-112				
Phenol	45.8	5.00	"	50.0		91.7	10-37	High Bias			
Pyrene	52.5	0.0500	"	50.0		105	42-125				
Pyridine	57.8	5.00	"	50.0		116	10-46	High Bias			
1,2,4-Trichlorobenzene	50.8	5.00	"	50.0		102	35-91	High Bias			
2,4,5-Trichlorophenol	45.8	5.00	"	50.0		91.7	36-112				
2,4,6-Trichlorophenol	44.9	5.00	"	50.0		89.9	41-107				
<i>Surrogate: 2-Fluorophenol</i>	<i>79.0</i>		<i>"</i>	<i>75.2</i>		<i>105</i>	<i>10-53</i>				
<i>Surrogate: Phenol-d5</i>	<i>83.1</i>		<i>"</i>	<i>75.2</i>		<i>111</i>	<i>10-39</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>56.8</i>		<i>"</i>	<i>50.2</i>		<i>113</i>	<i>10-120</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>54.3</i>		<i>"</i>	<i>50.0</i>		<i>109</i>	<i>10-108</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>68.3</i>		<i>"</i>	<i>75.1</i>		<i>90.9</i>	<i>10-150</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>47.3</i>		<i>"</i>	<i>50.2</i>		<i>94.3</i>	<i>10-143</i>				
<b>LCS Dup (BI40882-BSD1)</b>											
Prepared & Analyzed: 09/18/2014											
Acenaphthene	65.7	0.0500	ug/L	50.0		131	24-114	High Bias	16.7	20	
Acenaphthylene	62.8	0.0500	"	50.0		126	26-112	High Bias	17.3	20	
Aniline	54.6	5.00	"	50.0		109	10-107	High Bias	14.5	20	
Anthracene	66.1	0.0500	"	50.0		132	35-114	High Bias	20.0	20	
Benzo(a)anthracene	57.3	0.0500	"	50.0		115	38-127		16.4	20	
Benzo(a)pyrene	56.8	0.0500	"	50.0		114	30-146		18.8	20	
Benzo(b)fluoranthene	48.0	0.0500	"	50.0		96.0	36-145		6.64	20	
Benzo(g,h,i)perylene	41.3	0.0500	"	50.0		82.6	10-163		3.12	20	
Benzo(k)fluoranthene	42.6	0.0500	"	50.0		85.2	16-149		19.5	20	
Benzyl alcohol	54.2	5.00	"	50.0		108	18-75	High Bias	19.9	20	
Benzyl butyl phthalate	61.4	5.00	"	50.0		123	28-129		19.1	20	
4-Bromophenyl phenyl ether	56.0	5.00	"	50.0		112	38-116		17.5	20	
4-Chloro-3-methylphenol	59.9	5.00	"	50.0		120	28-101	High Bias	15.8	20	
4-Chloroaniline	39.3	5.00	"	50.0		78.6	10-154		12.8	20	
Bis(2-chloroethoxy)methane	64.3	5.00	"	50.0		129	27-112	High Bias	15.4	20	
Bis(2-chloroethyl)ether	57.2	5.00	"	50.0		114	24-114		21.8	20	Non-dir.
Bis(2-chloroisopropyl)ether	75.8	5.00	"	50.0		152	21-124	High Bias	21.1	20	Non-dir.
2-Chloronaphthalene	61.3	5.00	"	50.0		123	40-96	High Bias	16.6	20	
2-Chlorophenol	46.7	5.00	"	50.0		93.4	35-84	High Bias	15.0	20	
4-Chlorophenyl phenyl ether	64.4	5.00	"	50.0		129	34-112	High Bias	14.0	20	
Chrysene	62.3	0.0500	"	50.0		125	33-120	High Bias	17.5	20	
Dibenzo(a,h)anthracene	45.1	0.0500	"	50.0		90.2	10-149		7.86	20	
Dibenzofuran	60.3	5.00	"	50.0		121	42-105	High Bias	15.4	20	
Di-n-butyl phthalate	60.2	5.00	"	50.0		120	36-110	High Bias	19.3	20	
1,4-Dichlorobenzene	51.8	5.00	"	50.0		104	42-82	High Bias	16.4	20	
1,3-Dichlorobenzene	52.7	5.00	"	50.0		105	45-80	High Bias	18.5	20	
1,2-Dichlorobenzene	53.4	5.00	"	50.0		107	42-85	High Bias	20.0	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI40882 - EPA 3510C</b>											
<b>LCS Dup (BI40882-bsd1)</b>											
Prepared & Analyzed: 09/18/2014											
3,3'-Dichlorobenzidine	68.7	5.00	ug/L	50.0		137	25-155		21.6	20	Non-dir.
2,4-Dichlorophenol	59.0	5.00	"	50.0		118	43-92	High Bias	15.1	20	
Diethyl phthalate	62.3	5.00	"	50.0		125	38-112	High Bias	14.8	20	
2,4-Dimethylphenol	60.3	5.00	"	50.0		121	25-92	High Bias	15.1	20	
Dimethyl phthalate	57.5	5.00	"	50.0		115	49-106	High Bias	14.4	20	
4,6-Dinitro-2-methylphenol	68.6	5.00	"	50.0		137	10-135	High Bias	21.3	20	Non-dir.
2,4-Dinitrophenol	71.4	5.00	"	50.0		143	10-149		19.8	20	
2,4-Dinitrotoluene	62.8	5.00	"	50.0		126	41-114	High Bias	15.3	20	
2,6-Dinitrotoluene	61.8	5.00	"	50.0		124	49-106	High Bias	17.6	20	
Di-n-octyl phthalate	62.6	5.00	"	50.0		125	12-149		18.5	20	
Bis(2-ethylhexyl)phthalate	63.0	0.500	"	50.0		126	10-171		17.9	20	
Fluoranthene	61.5	0.0500	"	50.0		123	33-126		18.5	20	
Fluorene	70.5	0.0500	"	50.0		141	28-117	High Bias	17.4	20	
Hexachlorobenzene	56.2	0.0200	"	50.0		112	27-120		12.3	20	
Hexachlorobutadiene	60.3	0.500	"	50.0		121	25-106	High Bias	12.6	20	
Hexachlorocyclopentadiene	51.4	5.00	"	50.0		103	10-99	High Bias	12.6	20	
Hexachloroethane	55.2	0.500	"	50.0		110	33-84	High Bias	15.3	20	
Indeno(1,2,3-cd)pyrene	44.4	0.0500	"	50.0		88.8	10-150		6.97	20	
Isophorone	58.9	5.00	"	50.0		118	29-115	High Bias	11.9	20	
2-Methylnaphthalene	68.6	5.00	"	50.0		137	33-101	High Bias	16.5	20	
2-Methylphenol	53.8	5.00	"	50.0		108	10-90	High Bias	17.5	20	
3- & 4-Methylphenols	47.3	5.00	"	50.0		94.5	10-101		19.3	20	
Naphthalene	67.8	0.0500	"	50.0		136	30-99	High Bias	17.3	20	
4-Nitroaniline	58.9	5.00	"	50.0		118	15-143		24.5	20	Non-dir.
3-Nitroaniline	51.7	5.00	"	50.0		103	29-128		16.1	20	
2-Nitroaniline	54.7	5.00	"	50.0		109	31-122		15.5	20	
Nitrobenzene	63.0	0.250	"	50.0		126	32-113	High Bias	10.5	20	
4-Nitrophenol	56.2	5.00	"	50.0		112	10-112		9.76	20	
2-Nitrophenol	53.4	5.00	"	50.0		107	37-97	High Bias	14.3	20	
N-nitroso-di-n-propylamine	55.7	5.00	"	50.0		111	36-118		18.2	20	
N-Nitrosodimethylamine	139	0.500	"	50.0		279	10-63	High Bias	27.6	20	Non-dir.
N-Nitrosodiphenylamine	78.1	5.00	"	50.0		156	27-145	High Bias	23.2	20	Non-dir.
Pentachlorophenol	62.9	0.250	"	50.0		126	19-127		16.4	20	
Phenanthrene	68.6	0.0500	"	50.0		137	31-112	High Bias	20.4	20	Non-dir.
Phenol	58.3	5.00	"	50.0		117	10-37	High Bias	23.9	20	Non-dir.
Pyrene	62.8	0.0500	"	50.0		126	42-125	High Bias	17.9	20	
Pyridine	55.8	5.00	"	50.0		112	10-46	High Bias	3.54	20	
1,2,4-Trichlorobenzene	59.6	5.00	"	50.0		119	35-91	High Bias	16.1	20	
2,4,5-Trichlorophenol	53.8	5.00	"	50.0		108	36-112		15.9	20	
2,4,6-Trichlorophenol	53.2	5.00	"	50.0		106	41-107		16.8	20	
Surrogate: 2-Fluorophenol	76.0		"	75.2		101	10-53				
Surrogate: Phenol-d5	81.5		"	75.2		108	10-39				
Surrogate: Nitrobenzene-d5	51.3		"	50.2		102	10-120				
Surrogate: 2-Fluorobiphenyl	50.9		"	50.0		102	10-108				
Surrogate: 2,4,6-Tribromophenol	65.4		"	75.1		87.1	10-150				
Surrogate: Terphenyl-d14	45.3		"	50.2		90.3	10-143				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BI40832 - EPA 3545A**

**Blank (BI40832-BLK1)**

Prepared: 09/17/2014 Analyzed: 09/18/2014

4,4'-DDD	ND	0.495	ug/kg wet								
4,4'-DDE	ND	0.495	"								
4,4'-DDT	ND	0.495	"								
Aldrin	ND	0.495	"								
alpha-BHC	ND	0.495	"								
beta-BHC	ND	0.495	"								
Chlordane, total	ND	19.8	"								
gamma-Chlordane	ND	0.495	"								
delta-BHC	ND	0.495	"								
Dieldrin	ND	0.495	"								
Endosulfan I	ND	0.495	"								
Endosulfan II	ND	0.495	"								
Endosulfan sulfate	ND	0.495	"								
Endrin	ND	0.495	"								
Endrin aldehyde	ND	0.495	"								
Endrin ketone	ND	0.495	"								
gamma-BHC (Lindane)	ND	0.495	"								
Heptachlor	ND	0.495	"								
Heptachlor epoxide	ND	0.495	"								
alpha-Chlordane	ND	0.495	"								
Methoxychlor	ND	2.48	"								
Toxaphene	ND	25.0	"								

*Surrogate: Tetrachloro-m-xylene*

50.7

100

50.7

30-140

*Surrogate: Decachlorobiphenyl*

52.6

100

52.6

30-140

**LCS (BI40832-BS1)**

Prepared: 09/17/2014 Analyzed: 09/18/2014

4,4'-DDD	29.3	0.495	ug/kg wet	50.0	58.5	40-140
4,4'-DDE	27.9	0.495	"	50.0	55.8	40-140
4,4'-DDT	35.3	0.495	"	50.0	70.5	40-140
Aldrin	25.8	0.495	"	50.0	51.5	40-140
alpha-BHC	26.4	0.495	"	50.0	52.8	40-140
beta-BHC	28.1	0.495	"	50.0	56.2	40-140
gamma-Chlordane	24.5	0.495	"	50.0	48.9	40-140
delta-BHC	26.3	0.495	"	50.0	52.6	40-140
Dieldrin	26.1	0.495	"	50.0	52.2	40-140
Endosulfan I	25.5	0.495	"	50.0	51.0	40-140
Endosulfan II	25.7	0.495	"	50.0	51.4	40-140
Endosulfan sulfate	26.7	0.495	"	50.0	53.3	40-140
Endrin	29.5	0.495	"	50.0	58.9	40-140
Endrin aldehyde	23.3	0.495	"	50.0	46.6	40-140
Endrin ketone	26.3	0.495	"	50.0	52.7	40-140
gamma-BHC (Lindane)	25.9	0.495	"	50.0	51.7	40-140
Heptachlor	23.8	0.495	"	50.0	47.5	40-140
Heptachlor epoxide	24.3	0.495	"	50.0	48.6	40-140
alpha-Chlordane	23.9	0.495	"	50.0	47.9	40-140
Methoxychlor	39.0	2.48	"	50.0	78.0	40-140

*Surrogate: Tetrachloro-m-xylene*

54.1

100

54.1

30-140

*Surrogate: Decachlorobiphenyl*

50.4

100

50.4

30-140



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40832 - EPA 3545A**

**LCS Dup (BI40832-BSD1)**

Prepared: 09/17/2014 Analyzed: 09/18/2014

4,4'-DDD	28.2	0.495	ug/kg wet	50.0		56.4	40-140		3.72	30	
4,4'-DDE	26.9	0.495	"	50.0		53.9	40-140		3.54	30	
4,4'-DDT	35.3	0.495	"	50.0		70.6	40-140		0.159	30	
Aldrin	25.1	0.495	"	50.0		50.1	40-140		2.77	30	
alpha-BHC	25.3	0.495	"	50.0		50.5	40-140		4.36	30	
beta-BHC	27.5	0.495	"	50.0		54.9	40-140		2.18	30	
gamma-Chlordane	24.0	0.495	"	50.0		47.9	40-140		2.07	30	
delta-BHC	25.5	0.495	"	50.0		51.0	40-140		3.07	30	
Dieldrin	25.6	0.495	"	50.0		51.2	40-140		1.99	30	
Endosulfan I	25.1	0.495	"	50.0		50.2	40-140		1.44	30	
Endosulfan II	25.2	0.495	"	50.0		50.3	40-140		2.07	30	
Endosulfan sulfate	26.0	0.495	"	50.0		52.1	40-140		2.32	30	
Endrin	31.8	0.495	"	50.0		63.6	40-140		7.59	30	
Endrin aldehyde	22.7	0.495	"	50.0		45.5	40-140		2.50	30	
Endrin ketone	25.6	0.495	"	50.0		51.3	40-140		2.69	30	
gamma-BHC (Lindane)	24.8	0.495	"	50.0		49.7	40-140		3.99	30	
Heptachlor	23.1	0.495	"	50.0		46.3	40-140		2.70	30	
Heptachlor epoxide	23.7	0.495	"	50.0		47.4	40-140		2.43	30	
alpha-Chlordane	23.5	0.495	"	50.0		46.9	40-140		2.01	30	
Methoxychlor	37.4	2.48	"	50.0		74.9	40-140		4.15	30	
Surrogate: Tetrachloro-m-xylene	51.2		"	100		51.2	30-140				
Surrogate: Decachlorobiphenyl	47.5		"	100		47.5	30-140				

**Matrix Spike (BI40832-MS1)**

\*Source sample: 14I0590-01 (SP6 (0-2))

Prepared: 09/17/2014 Analyzed: 09/18/2014

4,4'-DDD	28.4	2.56	ug/kg dry	51.7	ND	54.9	30-150				
4,4'-DDE	24.0	2.56	"	51.7	ND	46.5	30-150				
4,4'-DDT	30.3	2.56	"	51.7	ND	58.6	30-150				
Aldrin	26.4	2.56	"	51.7	ND	51.1	30-150				
alpha-BHC	30.4	2.56	"	51.7	ND	58.7	30-150				
beta-BHC	21.1	2.56	"	51.7	ND	40.8	30-150				
gamma-Chlordane	21.3	2.56	"	51.7	ND	41.1	30-150				
delta-BHC	27.5	2.56	"	51.7	ND	53.2	30-150				
Dieldrin	24.2	2.56	"	51.7	ND	46.7	30-150				
Endosulfan I	22.0	2.56	"	51.7	ND	42.4	30-150				
Endosulfan II	23.8	2.56	"	51.7	ND	45.9	30-150				
Endosulfan sulfate	34.4	2.56	"	51.7	ND	66.4	30-150				
Endrin	30.5	2.56	"	51.7	ND	59.0	30-150				
Endrin aldehyde	23.4	2.56	"	51.7	ND	45.2	30-150				
Endrin ketone	29.9	2.56	"	51.7	ND	57.9	30-150				
gamma-BHC (Lindane)	29.3	2.56	"	51.7	ND	56.6	30-150				
Heptachlor	27.8	2.56	"	51.7	ND	53.8	30-150				
Heptachlor epoxide	25.0	2.56	"	51.7	ND	48.4	30-150				
alpha-Chlordane	25.9	2.56	"	51.7	ND	50.0	30-150				
Methoxychlor	45.5	12.8	"	51.7	ND	87.9	30-150				
Surrogate: Tetrachloro-m-xylene	87.6		"	103		84.7	30-140				
Surrogate: Decachlorobiphenyl	73.2		"	103		70.7	30-140				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BI40884 - EPA SW846-3510C Low Level**

**Blank (BI40884-BLK1)**

Prepared: 09/18/2014 Analyzed: 09/19/2014

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0400	"								
gamma-Chlordane	ND	0.0100	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								

<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.207</i>		<i>"</i>	<i>0.200</i>		<i>103</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.190</i>		<i>"</i>	<i>0.200</i>		<i>94.9</i>	<i>30-120</i>				

**LCS (BI40884-BS1)**

Prepared: 09/18/2014 Analyzed: 09/19/2014

4,4'-DDD	0.0793	0.00400	ug/L	0.100		79.3	40-120				
4,4'-DDE	0.0922	0.00400	"	0.100		92.2	40-120				
4,4'-DDT	0.0902	0.00400	"	0.100		90.2	40-120				
Aldrin	0.0761	0.00400	"	0.100		76.1	40-120				
alpha-BHC	0.0759	0.00400	"	0.100		75.9	40-120				
beta-BHC	0.0736	0.00400	"	0.100		73.6	40-120				
gamma-Chlordane	0.0764	0.0100	"	0.100		76.4	40-120				
delta-BHC	0.0708	0.00400	"	0.100		70.8	40-120				
Dieldrin	0.0809	0.00200	"	0.100		80.9	40-120				
Endosulfan I	0.0857	0.00400	"	0.100		85.7	40-120				
Endosulfan II	0.0754	0.00400	"	0.100		75.4	40-120				
Endosulfan sulfate	0.0808	0.00400	"	0.100		80.8	40-120				
Endrin	0.0806	0.00400	"	0.100		80.6	40-120				
Endrin aldehyde	0.0722	0.0100	"	0.100		72.2	40-120				
Endrin ketone	0.0850	0.0100	"	0.100		85.0	40-120				
gamma-BHC (Lindane)	0.0728	0.00400	"	0.100		72.8	40-120				
Heptachlor	0.0734	0.00400	"	0.100		73.4	40-120				
Heptachlor epoxide	0.0754	0.00400	"	0.100		75.4	40-120				
alpha-Chlordane	0.0772	0.00400	"	0.100		77.2	40-120				
Methoxychlor	0.0731	0.00400	"	0.100		73.1	40-120				

<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.226</i>		<i>"</i>	<i>0.200</i>		<i>113</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.209</i>		<i>"</i>	<i>0.200</i>		<i>104</i>	<i>30-120</i>				



**Organochlorine Pesticides by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					%REC	RPD
<b>Batch BI40884 - EPA SW846-3510C Low Level</b>											
<b>LCS Dup (BI40884-BSD1)</b>											
										Prepared: 09/18/2014 Analyzed: 09/19/2014	
4,4'-DDD	0.0711	0.00400	ug/L	0.100		71.1	40-120			11.0	30
4,4'-DDE	0.0836	0.00400	"	0.100		83.6	40-120			9.85	30
4,4'-DDT	0.0808	0.00400	"	0.100		80.8	40-120			11.0	30
Aldrin	0.0688	0.00400	"	0.100		68.8	40-120			10.0	30
alpha-BHC	0.0699	0.00400	"	0.100		69.9	40-120			8.28	30
beta-BHC	0.0682	0.00400	"	0.100		68.2	40-120			7.68	30
gamma-Chlordane	0.0695	0.0100	"	0.100		69.5	40-120			9.46	30
delta-BHC	0.0652	0.00400	"	0.100		65.2	40-120			8.32	30
Dieldrin	0.0734	0.00200	"	0.100		73.4	40-120			9.64	30
Endosulfan I	0.0779	0.00400	"	0.100		77.9	40-120			9.64	30
Endosulfan II	0.0679	0.00400	"	0.100		67.9	40-120			10.5	30
Endosulfan sulfate	0.0720	0.00400	"	0.100		72.0	40-120			11.5	30
Endrin	0.0729	0.00400	"	0.100		72.9	40-120			9.99	30
Endrin aldehyde	0.0644	0.0100	"	0.100		64.4	40-120			11.5	30
Endrin ketone	0.0760	0.0100	"	0.100		76.0	40-120			11.2	30
gamma-BHC (Lindane)	0.0669	0.00400	"	0.100		66.9	40-120			8.51	30
Heptachlor	0.0669	0.00400	"	0.100		66.9	40-120			9.38	30
Heptachlor epoxide	0.0690	0.00400	"	0.100		69.0	40-120			8.98	30
alpha-Chlordane	0.0703	0.00400	"	0.100		70.3	40-120			9.36	30
Methoxychlor	0.0648	0.00400	"	0.100		64.8	40-120			12.0	30
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.191</i>		<i>"</i>	<i>0.200</i>		<i>95.6</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.173</i>		<i>"</i>	<i>0.200</i>		<i>86.3</i>	<i>30-120</i>				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40832 - EPA 3545A**

**Blank (BI40832-BLK1)**

Prepared: 09/17/2014 Analyzed: 09/18/2014

Aroclor 1016	ND	0.0250	mg/kg wet								
Aroclor 1221	ND	0.0250	"								
Aroclor 1232	ND	0.0250	"								
Aroclor 1242	ND	0.0250	"								
Aroclor 1248	ND	0.0250	"								
Aroclor 1254	ND	0.0250	"								
Aroclor 1260	ND	0.0250	"								
Total PCBs	ND	0.0250	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0690		"	0.100		69.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0570		"	0.100		57.0	30-140				

**LCS (BI40832-BS2)**

Prepared: 09/17/2014 Analyzed: 09/18/2014

Aroclor 1016	0.314	0.0250	mg/kg wet	0.500		62.8	40-130				
Aroclor 1260	0.302	0.0250	"	0.500		60.5	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0680		"	0.100		68.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0545		"	0.100		54.5	30-140				

**LCS Dup (BI40832-BSD2)**

Prepared: 09/17/2014 Analyzed: 09/18/2014

Aroclor 1016	0.322	0.0250	mg/kg wet	0.500		64.4	40-130	2.42	25		
Aroclor 1260	0.324	0.0250	"	0.500		64.8	40-130	6.96	25		
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0680		"	0.100		68.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0600		"	0.100		60.0	30-140				

**Batch BI40884 - EPA SW846-3510C Low Level**

**Blank (BI40884-BLK1)**

Prepared & Analyzed: 09/18/2014

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.205		"	0.200		102	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.202		"	0.200		101	30-120				



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BI40884 - EPA SW846-3510C Low Level**

**LCS (BI40884-BS2)**

Prepared & Analyzed: 09/18/2014

Aroclor 1016	1.07	0.0500	ug/L	1.00		107	40-120						
Aroclor 1260	1.14	0.0500	"	1.00		114	40-120						
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.228</i>		<i>"</i>	<i>0.200</i>		<i>114</i>	<i>30-120</i>						
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.203</i>		<i>"</i>	<i>0.200</i>		<i>102</i>	<i>30-120</i>						

**LCS Dup (BI40884-BSD2)**

Prepared & Analyzed: 09/18/2014

Aroclor 1016	1.02	0.0500	ug/L	1.00		102	40-120			4.87	30		
Aroclor 1260	1.07	0.0500	"	1.00		107	40-120			6.05	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.207</i>		<i>"</i>	<i>0.200</i>		<i>104</i>	<i>30-120</i>						
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.184</i>		<i>"</i>	<i>0.200</i>		<i>92.0</i>	<i>30-120</i>						



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40907 - EPA 3050B**

**Blank (BI40907-BLK1)**

Prepared & Analyzed: 09/18/2014

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

**Reference (BI40907-SRM1)**

Prepared & Analyzed: 09/18/2014

Aluminum	6500	1.00	mg/kg wet	9390		69.3	43.5-157				
Antimony	154	0.500	"	129		119	22.4-250				
Arsenic	84.0	1.00	"	88.4		95.0	69-131				
Barium	194	1.00	"	210		92.6	73.3-127				
Beryllium	53.5	0.100	"	55.8		95.8	73.1-127				
Cadmium	128	0.300	"	142		90.1	73.2-128				
Calcium	6800	5.00	"	7530		90.3	74.6-125				
Chromium	77.5	0.500	"	86.8		89.3	69.1-131				
Cobalt	189	0.500	"	199		94.9	74.4-126				
Copper	271	0.500	"	268		101	76.1-124				
Iron	10900	2.00	"	12800		85.5	31.6-168				
Lead	89.2	0.300	"	97.9		91.1	70.8-129				
Magnesium	2450	5.00	"	2850		85.9	65.3-135				
Manganese	400	0.500	"	425		94.0	76.2-124				
Nickel	235	0.500	"	236		99.8	74.2-128				
Potassium	2170	5.00	"	2570		84.5	61.1-139				
Selenium	122	1.00	"	127		96.1	66.6-134				
Silver	58.8	0.500	"	66.2		88.8	67.1-133				
Sodium	1100	10.0	"	1040		106	60.4-139				
Thallium	129	1.00	"	140		92.3	68.3-132				
Vanadium	144	1.00	"	156		92.4	71.8-129				
Zinc	111	1.00	"	161		69.2	66.9-133				



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

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

**Batch BI40940 - EPA 3010A**

**Blank (BI40940-BLK1)**

Prepared & Analyzed: 09/18/2014

Aluminum	ND	0.010	mg/L
Antimony	ND	0.005	"
Arsenic	ND	0.004	"
Barium	ND	0.010	"
Beryllium	ND	0.001	"
Cadmium	ND	0.003	"
Calcium	ND	0.050	"
Chromium	ND	0.005	"
Cobalt	ND	0.005	"
Copper	ND	0.003	"
Iron	ND	0.020	"
Lead	ND	0.003	"
Magnesium	ND	0.050	"
Manganese	ND	0.005	"
Nickel	ND	0.005	"
Potassium	ND	0.050	"
Selenium	ND	0.010	"
Silver	ND	0.005	"
Sodium	ND	0.100	"
Thallium	ND	0.005	"
Vanadium	ND	0.010	"
Zinc	ND	0.010	"

**Reference (BI40940-SRM1)**

Prepared & Analyzed: 09/18/2014

Aluminum	3.05	0.010	mg/L	3.16	96.4	82.9-116
Antimony	0.581	0.005	"	0.687	84.6	70.6-120
Arsenic	0.212	0.004	"	0.243	87.4	82.7-118
Barium	2.02	0.010	"	1.99	102	86.9-113
Beryllium	0.441	0.001	"	0.487	90.5	85-113
Cadmium	0.187	0.003	"	0.198	94.5	84.8-114
Chromium	0.747	0.005	"	0.780	95.7	87.2-113
Cobalt	0.204	0.005	"	0.198	103	87.4-113
Copper	0.162	0.003	"	0.170	95.2	89.4-111
Iron	0.331	0.020	"	0.322	103	87.3-115
Lead	0.201	0.003	"	0.213	94.3	85-115
Manganese	1.62	0.005	"	1.64	98.8	89.6-111
Nickel	1.51	0.005	"	1.58	95.7	89.9-111
Selenium	1.15	0.010	"	1.28	90.0	79.6-116
Silver	0.436	0.005	"	0.477	91.3	85.7-114
Thallium	0.409	0.005	"	0.409	100	79-121
Vanadium	0.461	0.010	"	0.502	91.9	87.5-112
Zinc	1.32	0.010	"	1.40	94.1	85.7-114



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

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

**Batch BI40940 - EPA 3010A**

**Reference (BI40940-SRM2)**

Prepared & Analyzed: 09/18/2014

Calcium	65.0	0.050	mg/L	62.7		104	86-114				
Magnesium	30.4	0.050	"	29.0		105	86.2-114				
Potassium	35.5	0.050	"	32.4		109	85.2-115				
Sodium	89.8	0.100	"	85.1		106	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
<b>Batch BI40879 - EPA 7473 water</b>											
<b>Blank (BI40879-BLK1)</b>											Prepared & Analyzed: 09/18/2014
Mercury	ND	0.00020	mg/L								
<b>Reference (BI40879-SRM1)</b>											Prepared & Analyzed: 09/18/2014
Mercury	0.00197		mg/kg	0.00200		98.6	0-200				
<b>Batch BI40880 - EPA 7473 soil</b>											
<b>Blank (BI40880-BLK1)</b>											Prepared & Analyzed: 09/18/2014
Mercury	ND	0.0300	mg/kg wet								
<b>Reference (BI40880-SRM1)</b>											Prepared & Analyzed: 09/18/2014
Mercury	2.8825		mg/kg	3.73		77.3	68.6-131				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI40988 - EPA SW846-3060</b>											
<b>Blank (BI40988-BLK1)</b>										Prepared & Analyzed: 09/19/2014	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
<b>Duplicate (BI40988-DUP1)</b> *Source sample: 14I0590-01 (SP6 (0-2))										Prepared & Analyzed: 09/19/2014	
Chromium, Hexavalent	ND	0.517	mg/kg dry		ND						35
<b>Matrix Spike (BI40988-MS1)</b> *Source sample: 14I0590-01 (SP6 (0-2))										Prepared & Analyzed: 09/19/2014	
Chromium, Hexavalent	12.5	0.517	mg/kg dry	20.7	ND	60.4	75-125	Low Bias			
<b>Reference (BI40988-SRM1)</b>										Prepared & Analyzed: 09/19/2014	
Chromium, Hexavalent	110		mg/L	125		88.0	0-200				
<b>Batch BI41017 - Analysis Preparation</b>											
<b>Blank (BI41017-BLK1)</b>										Prepared & Analyzed: 09/19/2014	
Chromium, Hexavalent	ND	0.0100	mg/L								
<b>LCS (BI41017-BS1)</b>										Prepared & Analyzed: 09/19/2014	
Chromium, Hexavalent	0.473	0.0100	mg/L	0.500		94.6	80-120				
<b>Duplicate (BI41017-DUP1)</b> *Source sample: 14I0590-05 (GW2)										Prepared & Analyzed: 09/19/2014	
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
<b>Matrix Spike (BI41017-MS1)</b> *Source sample: 14I0590-05 (GW2)										Prepared & Analyzed: 09/19/2014	
Chromium, Hexavalent	0.466	0.0100	mg/L	0.500	ND	93.2	75-125				



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14I0590-01	SP6 (0-2)	40mL Vial with Stir Bar-Cool 4° C
14I0590-02	SP7 (10-12)	40mL Vial with Stir Bar-Cool 4° C
14I0590-03	SP8 (0-2)	40mL Vial with Stir Bar-Cool 4° C
14I0590-04	GW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0590-05	GW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0590-06	SP6 (10-12)	40mL Vial with Stir Bar-Cool 4° C
14I0590-07	SP7 (16-18)	40mL Vial with Stir Bar-Cool 4° C
14I0590-08	SP8 (2-4)	40mL Vial with Stir Bar-Cool 4° C



## Notes and Definitions

S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QCAL	This analyte is outside calibration QC limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-02	NON-COMPLIANT-This sample was received outside the EPA recommended holding time.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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



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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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## 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 unless superseded by written contract.

York Project No. 14I0590

<b>YOUR Information</b> Company: <u>Hydro Tech Env.</u> Address: <u>77 Arkey Dr</u> <u>Hempstead NY 11088</u> Phone No. <u>631 2461-1034</u> Contact Person: <u>Rebecca Devaney</u> E-Mail Address: <u>rdevaney@hydrotechenvironmental.com</u>		<b>Report To:</b> Company: <u>HTE</u> Address: <u>77 Arkey Dr</u> <u>Hempstead NY 11088</u> Phone No. <u>631 2461-1034</u> Attention: <u>Muzlena Ward</u> E-Mail Address: <u>ward</u>		<b>YOUR Project ID</b> Misc. Org. <u>NY X NJ</u> Metals <u>RCRA8</u> PCBs <u>8082</u> Pests <u>8081</u> Herbicides <u>815</u> CT RCP <u>CT RCP</u> App. IX <u>App. IX</u> Site Spec. <u>Site Spec.</u> SPL Por TCLP <u>SPL Por TCLP</u> TCLP Pest <u>TCLP Pest</u> TCLP Herb <u>TCLP Herb</u> Chlordane <u>Chlordane</u> 608 Pest <u>608 Pest</u> SPL Por TCLP <u>SPL Por TCLP</u> 608 PCB <u>608 PCB</u>		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type/Deliverables</b> Summary Report <input type="checkbox"/> Summary w/ QA Summary <input type="checkbox"/> CT RCP Package <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> Electronic Deliverables: <input type="checkbox"/> EDD (Specify Type) <input type="checkbox"/> Excel <input type="checkbox"/>	
<b>Invoice To:</b> Company: <u>HTE</u> Address: <u>77 Arkey Dr</u> <u>Hempstead NY 11088</u> Phone No. <u>631 2461-1034</u> Attention: <u>Muzlena Ward</u> E-Mail Address: <u>ward</u>		<b>Purchase Order No.</b> <u>1401MS</u> <u>7005</u>		Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ <input type="checkbox"/>					

**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

Matrix Codes:  
 S - soil  
 Other - specify (oil, etc.)  
 WW - wastewater  
 GW - groundwater  
 DW - drinking water  
 Air-A - ambient air  
 Air-SV - soil vapor

Volatiles:  
 TICs  
 Site Spec.  
 Nassau Co.  
 Suffolk Co.  
 Ketones  
 Oxygenates  
 TCLP list  
 TAGM list  
 CT RCP list  
 Arom. only  
 502.2  
 Halog. only  
 NJDEP list  
 App. IX list  
 SPL Por TCLP  
 802 LB list

Metals:  
 RCRA8  
 PP13 list  
 TAL  
 CT15 list  
 TAGM list  
 NJDEP list  
 Total  
 Dissolved  
 SPL Por TCLP  
 Inerts: Metals  
 LIST Below

608 PCB  
 608 Pest  
 SPL Por TCLP

8270 or 625  
 STARS list  
 BN Only  
 Acids Only  
 PAH list  
 TAGM list  
 CT RCP list  
 TCLP list  
 TAGM list  
 CT RCP list  
 Arom. only  
 502.2  
 Halog. only  
 NJDEP list  
 App. IX list  
 SPL Por TCLP  
 802 LB list

8260 full  
 624  
 STARS list  
 BTEX  
 MTBE  
 TCL list  
 TAGM list  
 CT RCP list  
 Arom. only  
 502.2  
 Halog. only  
 NJDEP list  
 App. IX list  
 SPL Por TCLP  
 802 LB list

8270 or 625  
 STARS list  
 BN Only  
 Acids Only  
 PAH list  
 TAGM list  
 CT RCP list  
 TCLP list  
 TAGM list  
 CT RCP list  
 Arom. only  
 502.2  
 Halog. only  
 NJDEP list  
 App. IX list  
 SPL Por TCLP  
 802 LB list

8260, 8270, TA Metals, Pest PCBs, Health Chem  
 8260, 8270, TA Metals, Pest PCBs, Health Chem

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SP6 - (0-2)	9/11/14	S		
SP7 - (10-18)	9/11/14	S		
SP8 - (0-2)	9/12/14	S		
GW1	9/12/14	GW		
GW2	9/12/14	GW		
SP-6 (10-12)		S		
SP-7 (16-18)		S		
SP-8 (5-4)		S		

4°C  Frozen  HCl  MeOH  HNO<sub>3</sub>  NaOH

Preservation:  ZnAc  Ascorbic Acid  Other

Check those Applicable

Comments: 12/25

Samples Relinquished By: [Signature] Date/Time: 9-15-14

Samples Received By: [Signature] Date/Time: 9-15-14 17:25

Temperature on Receipt: 4.5 °C

Samples Relinquished By:      Date/Time:     

Samples Received in LAB by:      Date/Time:

# Appendix H



# Technical Report

prepared for:

**Hydro Tech Environmental (Hauppauge)**  
77 Arkay Drive, Suite G  
Hauppauge NY, 11788  
**Attention: Rebecca Devaney**

Report Date: 09/18/2014  
**Client Project ID: 140145**  
York Project (SDG) No.: 14I0542

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/18/2014  
Client Project ID: 140145  
York Project (SDG) No.: 14I0542

**Hydro Tech Environmental (Hauppauge)**  
77 Arkay Drive, Suite G  
Hauppauge NY, 11788  
Attention: Rebecca Devaney

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## 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 September 15, 2014 and listed below. The project was identified as your project: **140145**.

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14I0542-01	SV1/15613	Soil Vapor	09/12/2014	09/15/2014
14I0542-02	SV2/#26	Soil Vapor	09/12/2014	09/15/2014
14I0542-03	SV3/S10	Soil Vapor	09/12/2014	09/15/2014
14I0542-04	SV4/16974	Soil Vapor	09/12/2014	09/15/2014
14I0542-05	SV5/S23	Soil Vapor	09/12/2014	09/15/2014
14I0542-06	AO-1/S08	Outdoor Ambient Ai	09/12/2014	09/15/2014

## **General Notes for York Project (SDG) No.: 14I0542**

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:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 09/18/2014





### Sample Information

**Client Sample ID:** SV1/15613

**York Sample ID:** 14I0542-01

<u>York Project (SDG) No.</u> 14I0542	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.19	0.19	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.51	0.51	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
79-01-6	<b>Trichloroethylene</b>	<b>36</b>		ug/m <sup>3</sup>	0.20	0.20	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.66	0.66	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.58	0.58	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
108-88-3	<b>Toluene</b>	<b>50</b>		ug/m <sup>3</sup>	0.55	0.55	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
109-99-9	<b>* Tetrahydrofuran</b>	<b>5.0</b>		ug/m <sup>3</sup>	0.43	0.43	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
127-18-4	<b>Tetrachloroethylene</b>	<b>40</b>		ug/m <sup>3</sup>	0.25	0.25	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.62	0.62	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.25	0.25	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
622-96-8	<b>* p-Ethyltoluene</b>	<b>23</b>		ug/m <sup>3</sup>	0.71	0.71	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>51</b>		ug/m <sup>3</sup>	1.3	1.3	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
95-47-6	<b>o-Xylene</b>	<b>23</b>		ug/m <sup>3</sup>	0.63	0.63	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
110-54-3	<b>n-Hexane</b>	<b>22</b>		ug/m <sup>3</sup>	0.51	0.51	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
142-82-5	<b>n-Heptane</b>	<b>12</b>		ug/m <sup>3</sup>	0.60	0.60	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
75-09-2	<b>Methylene chloride</b>	<b>3.7</b>		ug/m <sup>3</sup>	1.0	1.0	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.52	0.52	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.60	0.60	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
67-63-0	<b>Isopropanol</b>	<b>7.9</b>		ug/m <sup>3</sup>	0.71	0.71	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.5	1.5	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
100-41-4	<b>Ethyl Benzene</b>	<b>12</b>		ug/m <sup>3</sup>	0.63	0.63	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.0	1.0	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
110-82-7	<b>Cyclohexane</b>	<b>9.5</b>		ug/m <sup>3</sup>	0.50	0.50	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.66	0.66	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.58	0.58	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
74-87-3	<b>Chloromethane</b>	<b>0.30</b>		ug/m <sup>3</sup>	0.30	0.30	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
67-66-3	<b>Chloroform</b>	<b>36</b>		ug/m <sup>3</sup>	0.71	0.71	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.38	0.38	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
56-23-5	<b>Carbon tetrachloride</b>	<b>0.91</b>		ug/m <sup>3</sup>	0.23	0.23	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
75-15-0	<b>Carbon disulfide</b>	<b>3.6</b>		ug/m <sup>3</sup>	0.45	0.45	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.56	0.56	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.5	1.5	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.90	0.90	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.75	0.75	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
71-43-2	<b>Benzene</b>	<b>8.0</b>		ug/m <sup>3</sup>	0.46	0.46	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
67-64-1	<b>Acetone</b>	<b>18</b>		ug/m <sup>3</sup>	0.35	0.35	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD



### Sample Information

**Client Sample ID:** SV1/15613

**York Sample ID:** 14I0542-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0542

140145

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	1.2	1.2	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
78-93-3	<b>2-Butanone</b>	<b>3.3</b>		ug/m <sup>3</sup>	0.43	0.43	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.52	0.52	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.87	0.87	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.87	0.87	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
106-99-0	<b>1,3-Butadiene</b>	<b>6.8</b>		ug/m <sup>3</sup>	0.63	0.63	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>8.4</b>		ug/m <sup>3</sup>	0.71	0.71	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	1.0	1.0	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.67	0.67	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.59	0.59	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.87	0.87	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>30</b>		ug/m <sup>3</sup>	0.71	0.71	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.58	0.58	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.59	0.59	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>3.0</b>		ug/m <sup>3</sup>	0.82	0.82	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.79	0.79	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
76-13-1	<b>1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)</b>	<b>1.3</b>		ug/m <sup>3</sup>	1.1	1.1	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	1.0	1.0	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>6.2</b>		ug/m <sup>3</sup>	0.79	0.79	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
75-71-8	<b>Dichlorodifluoromethane</b>	<b>4.3</b>		ug/m <sup>3</sup>	0.72	0.72	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.2	1.2	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.59	0.59	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.67	0.67	1.453	EPA TO-15	09/16/2014 07:41	09/17/2014 11:39	ALD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	91.8 %			72-118						

### Sample Information

**Client Sample ID:** SV2/#26

**York Sample ID:** 14I0542-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0542

140145

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**



## Sample Information

**Client Sample ID:** SV2/#26

**York Sample ID:** 14I0542-02

<u>York Project (SDG) No.</u> 14I0542	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.13	0.13	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.35	0.35	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
79-01-6	<b>Trichloroethylene</b>	<b>1.7</b>		ug/m <sup>3</sup>	0.13	0.13	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.45	0.45	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.40	0.40	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
108-88-3	<b>Toluene</b>	<b>24</b>		ug/m <sup>3</sup>	0.38	0.38	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
109-99-9	<b>* Tetrahydrofuran</b>	<b>4.9</b>		ug/m <sup>3</sup>	0.29	0.29	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
127-18-4	<b>Tetrachloroethylene</b>	<b>7.7</b>		ug/m <sup>3</sup>	0.17	0.17	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.43	0.43	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.17	0.17	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
622-96-8	<b>* p-Ethyltoluene</b>	<b>14</b>		ug/m <sup>3</sup>	0.49	0.49	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>35</b>		ug/m <sup>3</sup>	0.87	0.87	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
95-47-6	<b>o-Xylene</b>	<b>11</b>		ug/m <sup>3</sup>	0.43	0.43	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
110-54-3	<b>n-Hexane</b>	<b>75</b>		ug/m <sup>3</sup>	0.35	0.35	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
142-82-5	<b>n-Heptane</b>	<b>3.4</b>		ug/m <sup>3</sup>	0.41	0.41	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
75-09-2	<b>Methylene chloride</b>	<b>36</b>		ug/m <sup>3</sup>	0.69	0.69	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.36	0.36	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.41	0.41	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
67-63-0	<b>Isopropanol</b>	<b>31</b>		ug/m <sup>3</sup>	0.49	0.49	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.1	1.1	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
100-41-4	<b>Ethyl Benzene</b>	<b>7.4</b>		ug/m <sup>3</sup>	0.43	0.43	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	0.72	0.72	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
110-82-7	<b>Cyclohexane</b>	<b>2.8</b>		ug/m <sup>3</sup>	0.34	0.34	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.45	0.45	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.40	0.40	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
74-87-3	<b>Chloromethane</b>	<b>0.99</b>		ug/m <sup>3</sup>	0.21	0.21	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
67-66-3	<b>Chloroform</b>	<b>13</b>		ug/m <sup>3</sup>	0.49	0.49	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.26	0.26	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
56-23-5	<b>Carbon tetrachloride</b>	<b>1.1</b>		ug/m <sup>3</sup>	0.16	0.16	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
75-15-0	<b>Carbon disulfide</b>	<b>2.5</b>		ug/m <sup>3</sup>	0.31	0.31	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.39	0.39	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.0	1.0	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.62	0.62	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.52	0.52	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
71-43-2	<b>Benzene</b>	<b>3.8</b>		ug/m <sup>3</sup>	0.32	0.32	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
67-64-1	<b>Acetone</b>	<b>140</b>		ug/m <sup>3</sup>	4.3	4.3	18	EPA TO-15	09/16/2014 07:41	09/17/2014 03:09	ALD
591-78-6	<b>* 2-Hexanone</b>	<b>2.3</b>		ug/m <sup>3</sup>	0.82	0.82	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
78-93-3	<b>2-Butanone</b>	<b>7.8</b>		ug/m <sup>3</sup>	0.29	0.29	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.36	0.36	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD



### Sample Information

**Client Sample ID:** SV2/#26

**York Sample ID:** 14I0542-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0542

140145

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.60	0.60	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.60	0.60	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.43	0.43	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>5.9</b>		ug/m <sup>3</sup>	0.49	0.49	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.70	0.70	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.46	0.46	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.40	0.40	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.60	0.60	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>16</b>		ug/m <sup>3</sup>	0.49	0.49	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.74	0.74	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.40	0.40	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.40	0.40	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>15</b>		ug/m <sup>3</sup>	0.56	0.56	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.55	0.55	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
76-13-1	<b>1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)</b>	<b>0.77</b>		ug/m <sup>3</sup>	0.77	0.77	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.69	0.69	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>3.0</b>		ug/m <sup>3</sup>	0.55	0.55	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.6</b>		ug/m <sup>3</sup>	0.49	0.49	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.77	0.77	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.80	0.80	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.41	0.41	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.46	0.46	1	EPA TO-15	09/16/2014 07:41	09/17/2014 12:42	ALD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	<i>Surrogate: p-Bromofluorobenzene</i>	90.5 %			72-118						

### Sample Information

**Client Sample ID:** SV3/S10

**York Sample ID:** 14I0542-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0542

140145

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.18	0.18	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD



## Sample Information

**Client Sample ID:** SV3/S10

**York Sample ID:** 14I0542-03

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

14I0542

140145

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

### Volatile Organics, EPA TO15 Full List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.50	0.50	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.19	0.19	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.64	0.64	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.56	0.56	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
108-88-3	<b>Toluene</b>	<b>73</b>		ug/m <sup>3</sup>	0.53	0.53	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
109-99-9	<b>* Tetrahydrofuran</b>	<b>5.0</b>		ug/m <sup>3</sup>	0.42	0.42	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
127-18-4	<b>Tetrachloroethylene</b>	<b>2.2</b>		ug/m <sup>3</sup>	0.24	0.24	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.60	0.60	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.24	0.24	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
622-96-8	<b>* p-Ethyltoluene</b>	<b>14</b>		ug/m <sup>3</sup>	0.70	0.70	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>62</b>		ug/m <sup>3</sup>	1.2	1.2	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
95-47-6	<b>o-Xylene</b>	<b>16</b>		ug/m <sup>3</sup>	0.61	0.61	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
110-54-3	<b>n-Hexane</b>	<b>7.9</b>		ug/m <sup>3</sup>	0.50	0.50	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
142-82-5	<b>n-Heptane</b>	<b>6.4</b>		ug/m <sup>3</sup>	0.58	0.58	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
75-09-2	<b>Methylene chloride</b>	<b>1.2</b>		ug/m <sup>3</sup>	0.98	0.98	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.51	0.51	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.58	0.58	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
67-63-0	<b>Isopropanol</b>	<b>38</b>		ug/m <sup>3</sup>	0.70	0.70	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.5	1.5	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
100-41-4	<b>Ethyl Benzene</b>	<b>15</b>		ug/m <sup>3</sup>	0.61	0.61	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	1.0	1.0	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
110-82-7	<b>Cyclohexane</b>	<b>2.0</b>		ug/m <sup>3</sup>	0.49	0.49	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.64	0.64	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.56	0.56	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
74-87-3	<b>Chloromethane</b>	<b>0.82</b>		ug/m <sup>3</sup>	0.29	0.29	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
67-66-3	<b>Chloroform</b>	<b>15</b>		ug/m <sup>3</sup>	0.69	0.69	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.37	0.37	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
56-23-5	<b>Carbon tetrachloride</b>	<b>0.62</b>		ug/m <sup>3</sup>	0.22	0.22	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
75-15-0	<b>Carbon disulfide</b>	<b>17</b>		ug/m <sup>3</sup>	0.44	0.44	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.55	0.55	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.5	1.5	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.88	0.88	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.73	0.73	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
71-43-2	<b>Benzene</b>	<b>9.3</b>		ug/m <sup>3</sup>	0.45	0.45	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
67-64-1	<b>Acetone</b>	<b>320</b>		ug/m <sup>3</sup>	6.3	6.3	26.53	EPA TO-15	09/16/2014 07:41	09/17/2014 03:58	ALD
591-78-6	<b>* 2-Hexanone</b>	<b>5.5</b>		ug/m <sup>3</sup>	1.2	1.2	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
78-93-3	<b>2-Butanone</b>	<b>24</b>		ug/m <sup>3</sup>	0.42	0.42	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD



### Sample Information

**Client Sample ID:** SV3/S10

**York Sample ID:** 14I0542-03

<u>York Project (SDG) No.</u> 14I0542	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.51	0.51	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.85	0.85	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.85	0.85	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
106-99-0	<b>1,3-Butadiene</b>	<b>1.7</b>		ug/m <sup>3</sup>	0.61	0.61	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>3.5</b>		ug/m <sup>3</sup>	0.70	0.70	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.99	0.99	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.65	0.65	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.57	0.57	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.85	0.85	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>14</b>		ug/m <sup>3</sup>	0.70	0.70	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	1.1	1.1	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.56	0.56	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.57	0.57	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>120</b>		ug/m <sup>3</sup>	0.80	0.80	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.77	0.77	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.1	1.1	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.97	0.97	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>2.8</b>		ug/m <sup>3</sup>	0.77	0.77	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.2</b>		ug/m <sup>3</sup>	0.70	0.70	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.1	1.1	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.58	0.58	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.65	0.65	1.415	EPA TO-15	09/16/2014 07:41	09/17/2014 18:43	ALD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	96.8 %			72-118						

### Sample Information

**Client Sample ID:** SV4/16974

**York Sample ID:** 14I0542-04

<u>York Project (SDG) No.</u> 14I0542	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

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

**Client Sample ID:** SV4/16974

**York Sample ID:** 14I0542-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0542

140145

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.16	0.16	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.44	0.44	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.17	0.17	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.57	0.57	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.50	0.50	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
108-88-3	<b>Toluene</b>	<b>85</b>		ug/m <sup>3</sup>	0.47	0.47	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
109-99-9	<b>* Tetrahydrofuran</b>	<b>4.4</b>		ug/m <sup>3</sup>	0.37	0.37	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
127-18-4	<b>Tetrachloroethylene</b>	<b>5.4</b>		ug/m <sup>3</sup>	0.21	0.21	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.53	0.53	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.22	0.22	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
622-96-8	<b>* p-Ethyltoluene</b>	<b>17</b>		ug/m <sup>3</sup>	0.61	0.61	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>68</b>		ug/m <sup>3</sup>	1.1	1.1	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
95-47-6	<b>o-Xylene</b>	<b>17</b>		ug/m <sup>3</sup>	0.54	0.54	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
110-54-3	<b>n-Hexane</b>	<b>20</b>		ug/m <sup>3</sup>	0.44	0.44	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
142-82-5	<b>n-Heptane</b>	<b>13</b>		ug/m <sup>3</sup>	0.51	0.51	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
75-09-2	<b>Methylene chloride</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.87	0.87	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.45	0.45	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.51	0.51	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
67-63-0	<b>Isopropanol</b>	<b>9.8</b>		ug/m <sup>3</sup>	0.61	0.61	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.3	1.3	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
100-41-4	<b>Ethyl Benzene</b>	<b>17</b>		ug/m <sup>3</sup>	0.54	0.54	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	0.90	0.90	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
110-82-7	<b>Cyclohexane</b>	<b>3.7</b>		ug/m <sup>3</sup>	0.43	0.43	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.57	0.57	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.50	0.50	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
74-87-3	<b>Chloromethane</b>	<b>0.77</b>		ug/m <sup>3</sup>	0.26	0.26	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
67-66-3	<b>Chloroform</b>	<b>47</b>		ug/m <sup>3</sup>	0.61	0.61	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.33	0.33	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.20	0.20	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
75-15-0	<b>Carbon disulfide</b>	<b>14</b>		ug/m <sup>3</sup>	0.39	0.39	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.49	0.49	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.3	1.3	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.78	0.78	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.65	0.65	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
71-43-2	<b>Benzene</b>	<b>14</b>		ug/m <sup>3</sup>	0.40	0.40	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
67-64-1	<b>Acetone</b>	<b>210</b>		ug/m <sup>3</sup>	5.6	5.6	23.44	EPA TO-15	09/16/2014 07:41	09/17/2014 04:48	ALD
591-78-6	<b>* 2-Hexanone</b>	<b>2.8</b>		ug/m <sup>3</sup>	1.0	1.0	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD



### Sample Information

Client Sample ID: SV4/16974

York Sample ID: 14I0542-04

York Project (SDG) No. 14I0542	Client Project ID 140145	Matrix Soil Vapor	Collection Date/Time September 12, 2014 3:00 pm	Date Received 09/15/2014
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#### Volatile Organics, EPA TO15 Full List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	11		ug/m <sup>3</sup>	0.37	0.37	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.45	0.45	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.75	0.75	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.75	0.75	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
106-99-0	1,3-Butadiene	11		ug/m <sup>3</sup>	0.54	0.54	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
108-67-8	1,3,5-Trimethylbenzene	4.7		ug/m <sup>3</sup>	0.61	0.61	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.87	0.87	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.58	0.58	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.51	0.51	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.75	0.75	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
95-63-6	1,2,4-Trimethylbenzene	20		ug/m <sup>3</sup>	0.61	0.61	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.93	0.93	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.50	0.50	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.51	0.51	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	6.7		ug/m <sup>3</sup>	0.70	0.70	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.68	0.68	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.96	0.96	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.86	0.86	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
71-55-6	1,1,1-Trichloroethane	4.0		ug/m <sup>3</sup>	0.68	0.68	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
75-71-8	Dichlorodifluoromethane	2.2		ug/m <sup>3</sup>	0.62	0.62	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.96	0.96	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.0	1.0	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.51	0.51	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.58	0.58	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 19:46	ALD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	91.8 %			72-118						

### Sample Information

Client Sample ID: SV5/S23

York Sample ID: 14I0542-05

York Project (SDG) No. 14I0542	Client Project ID 140145	Matrix Soil Vapor	Collection Date/Time September 12, 2014 3:00 pm	Date Received 09/15/2014
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#### Volatile Organics, EPA TO15 Full List

#### Log-in Notes:

#### Sample Notes:



## Sample Information

**Client Sample ID:** SV5/S23

**York Sample ID:** 14I0542-05

<u>York Project (SDG) No.</u> 14I0542	<u>Client Project ID</u> 140145	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> September 12, 2014 3:00 pm	<u>Date Received</u> 09/15/2014
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Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.16	0.16	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.44	0.44	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.17	0.17	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.57	0.57	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.50	0.50	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
108-88-3	<b>Toluene</b>	<b>64</b>		ug/m <sup>3</sup>	0.47	0.47	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
109-99-9	<b>* Tetrahydrofuran</b>	<b>5.8</b>		ug/m <sup>3</sup>	0.37	0.37	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
127-18-4	<b>Tetrachloroethylene</b>	<b>2.8</b>		ug/m <sup>3</sup>	0.21	0.21	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.53	0.53	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.22	0.22	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
622-96-8	<b>* p-Ethyltoluene</b>	<b>17</b>		ug/m <sup>3</sup>	0.61	0.61	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>55</b>		ug/m <sup>3</sup>	1.1	1.1	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
95-47-6	<b>o-Xylene</b>	<b>15</b>		ug/m <sup>3</sup>	0.54	0.54	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
110-54-3	<b>n-Hexane</b>	<b>40</b>		ug/m <sup>3</sup>	0.44	0.44	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.51	0.51	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
75-09-2	<b>Methylene chloride</b>	<b>5.1</b>		ug/m <sup>3</sup>	0.87	0.87	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.45	0.45	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.51	0.51	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
67-63-0	<b>Isopropanol</b>	<b>13</b>		ug/m <sup>3</sup>	0.61	0.61	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.3	1.3	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
100-41-4	<b>Ethyl Benzene</b>	<b>13</b>		ug/m <sup>3</sup>	0.54	0.54	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	0.90	0.90	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
110-82-7	<b>Cyclohexane</b>	<b>9.9</b>		ug/m <sup>3</sup>	0.43	0.43	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.57	0.57	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.50	0.50	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
74-87-3	<b>Chloromethane</b>	<b>0.88</b>		ug/m <sup>3</sup>	0.26	0.26	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
67-66-3	<b>Chloroform</b>	<b>13</b>		ug/m <sup>3</sup>	0.61	0.61	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.33	0.33	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
56-23-5	<b>Carbon tetrachloride</b>	<b>0.63</b>		ug/m <sup>3</sup>	0.20	0.20	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
75-15-0	<b>Carbon disulfide</b>	<b>40</b>		ug/m <sup>3</sup>	0.39	0.39	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.49	0.49	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.3	1.3	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.78	0.78	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.65	0.65	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
71-43-2	<b>Benzene</b>	<b>13</b>		ug/m <sup>3</sup>	0.40	0.40	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
67-64-1	<b>Acetone</b>	<b>180</b>		ug/m <sup>3</sup>	5.6	5.6	23.44	EPA TO-15	09/16/2014 07:41	09/17/2014 05:37	ALD
591-78-6	<b>* 2-Hexanone</b>	<b>1.6</b>		ug/m <sup>3</sup>	1.0	1.0	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
78-93-3	<b>2-Butanone</b>	<b>9.4</b>		ug/m <sup>3</sup>	0.37	0.37	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.45	0.45	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD



### Sample Information

**Client Sample ID:** SV5/S23

**York Sample ID:** 14I0542-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0542

140145

Soil Vapor

September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.75	0.75	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.75	0.75	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
106-99-0	<b>1,3-Butadiene</b>	<b>20</b>		ug/m <sup>3</sup>	0.54	0.54	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
108-67-8	<b>1,3,5-Trimethylbenzene</b>	<b>4.7</b>		ug/m <sup>3</sup>	0.61	0.61	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.87	0.87	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.58	0.58	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.51	0.51	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.75	0.75	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>19</b>		ug/m <sup>3</sup>	0.61	0.61	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.93	0.93	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.50	0.50	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.51	0.51	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>3.1</b>		ug/m <sup>3</sup>	0.70	0.70	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.68	0.68	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.96	0.96	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.86	0.86	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.68	0.68	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.2</b>		ug/m <sup>3</sup>	0.62	0.62	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.96	0.96	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	1.0	1.0	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.51	0.51	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.58	0.58	1.25	EPA TO-15	09/16/2014 07:41	09/17/2014 20:49	ALD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	90.9 %			72-118						

### Sample Information

**Client Sample ID:** AO-1/S08

**York Sample ID:** 14I0542-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0542

140145

Outdoor Ambient Air September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.15	0.15	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD



### Sample Information

**Client Sample ID:** AO-1/S08

**York Sample ID:** 14I0542-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0542

140145

Outdoor Ambient Air September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.42	0.42	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.16	0.16	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.54	0.54	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.47	0.47	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
108-88-3	<b>Toluene</b>	<b>8.4</b>		ug/m <sup>3</sup>	0.45	0.45	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
109-99-9	<b>* Tetrahydrofuran</b>	<b>0.39</b>		ug/m <sup>3</sup>	0.35	0.35	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	0.20	0.20	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.51	0.51	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
115-07-1	* Propylene	ND		ug/m <sup>3</sup>	0.21	0.21	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
622-96-8	<b>* p-Ethyltoluene</b>	<b>0.65</b>		ug/m <sup>3</sup>	0.59	0.59	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>2.9</b>		ug/m <sup>3</sup>	1.0	1.0	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
95-47-6	<b>o-Xylene</b>	<b>0.93</b>		ug/m <sup>3</sup>	0.52	0.52	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
110-54-3	<b>n-Hexane</b>	<b>2.2</b>		ug/m <sup>3</sup>	0.42	0.42	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
142-82-5	<b>n-Heptane</b>	<b>0.69</b>		ug/m <sup>3</sup>	0.49	0.49	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
75-09-2	<b>Methylene chloride</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.83	0.83	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.43	0.43	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.49	0.49	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
67-63-0	<b>Isopropanol</b>	<b>3.1</b>		ug/m <sup>3</sup>	0.59	0.59	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	1.3	1.3	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
100-41-4	<b>Ethyl Benzene</b>	<b>0.62</b>		ug/m <sup>3</sup>	0.52	0.52	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
141-78-6	* Ethyl acetate	ND		ug/m <sup>3</sup>	0.86	0.86	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
110-82-7	<b>Cyclohexane</b>	<b>0.41</b>		ug/m <sup>3</sup>	0.41	0.41	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.54	0.54	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.47	0.47	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
74-87-3	<b>Chloromethane</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.25	0.25	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.58	0.58	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.32	0.32	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
56-23-5	<b>Carbon tetrachloride</b>	<b>0.53</b>		ug/m <sup>3</sup>	0.19	0.19	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.37	0.37	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.46	0.46	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	1.2	1.2	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.74	0.74	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.62	0.62	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
71-43-2	<b>Benzene</b>	<b>0.46</b>		ug/m <sup>3</sup>	0.38	0.38	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
67-64-1	<b>Acetone</b>	<b>15</b>		ug/m <sup>3</sup>	0.28	0.28	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
591-78-6	* 2-Hexanone	ND		ug/m <sup>3</sup>	0.98	0.98	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
78-93-3	<b>2-Butanone</b>	<b>2.0</b>		ug/m <sup>3</sup>	0.35	0.35	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD



### Sample Information

**Client Sample ID:** AO-1/S08

**York Sample ID:** 14I0542-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0542

140145

Outdoor Ambient Air September 12, 2014 3:00 pm

09/15/2014

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.43	0.43	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.72	0.72	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.72	0.72	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.52	0.52	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.59	0.59	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.84	0.84	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.55	0.55	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.48	0.48	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.72	0.72	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>0.82</b>		ug/m <sup>3</sup>	0.59	0.59	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.89	0.89	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.47	0.47	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.48	0.48	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.5</b>		ug/m <sup>3</sup>	0.67	0.67	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.65	0.65	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.92	0.92	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.82	0.82	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
71-55-6	1,1,1-Trichloroethane	ND		ug/m <sup>3</sup>	0.65	0.65	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.4</b>		ug/m <sup>3</sup>	0.59	0.59	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.92	0.92	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.96	0.96	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.49	0.49	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.55	0.55	1.195	EPA TO-15	09/16/2014 07:41	09/16/2014 20:33	ALD
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	92.9 %			72-118						



## Analytical Batch Summary

**Batch ID:** BI40803

**Preparation Method:** EPA TO15 PREP

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
14I0542-01	SV1/15613	09/16/14
14I0542-02	SV2/#26	09/16/14
14I0542-03	SV3/S10	09/16/14
14I0542-04	SV4/16974	09/16/14
14I0542-05	SV5/S23	09/16/14
14I0542-06	AO-1/S08	09/16/14
BI40803-BLK1	Blank	09/16/14
BI40803-BS1	LCS	09/16/14



**Volatile Organic Compounds in Air by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40803 - EPA TO15 PREP**

**Blank (BI40803-BLK1)**

Prepared & Analyzed: 09/16/2014

Vinyl Chloride	ND	0.13	ug/m <sup>3</sup>								
Vinyl acetate	ND	0.35	"								
Trichloroethylene	ND	0.13	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.29	"								
Tetrachloroethylene	ND	0.17	"								
Styrene	ND	0.43	"								
Propylene	ND	0.17	"								
p-Ethyltoluene	ND	0.49	"								
p- & m- Xylenes	ND	0.87	"								
o-Xylene	ND	0.43	"								
n-Hexane	ND	0.35	"								
n-Heptane	ND	0.41	"								
Methylene chloride	ND	0.69	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
4-Methyl-2-pentanone	ND	0.41	"								
Isopropanol	ND	0.49	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.43	"								
Ethyl acetate	ND	0.72	"								
Cyclohexane	ND	0.34	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.49	"								
Chloroethane	ND	0.26	"								
Carbon tetrachloride	ND	0.16	"								
Carbon disulfide	ND	0.31	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.0	"								
Bromodichloromethane	ND	0.62	"								
Benzyl chloride	ND	0.52	"								
Benzene	ND	0.32	"								
Acetone	ND	0.24	"								
2-Hexanone	ND	0.82	"								
2-Butanone	ND	0.29	"								
1,4-Dioxane	ND	0.36	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Butadiene	ND	0.43	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.40	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI40803 - EPA TO15 PREP**

**Blank (BI40803-BLK1)**

Prepared & Analyzed: 09/16/2014

Trichlorofluoromethane (Freon 11)	ND	0.56	ug/m <sup>3</sup>								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
Dibromochloromethane	ND	0.80	"								
Methyl Methacrylate	ND	0.41	"								
Chlorobenzene	ND	0.46	"								

Surrogate: <i>p</i> -Bromofluorobenzene	8.72		ppbv	9.60		90.8	72-118				
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**LCS (BI40803-BS1)**

Prepared & Analyzed: 09/16/2014

Vinyl Chloride	11.6		ppbv	9.70		119	70-130				
Vinyl acetate	5.03		"	10.8		46.6	70-130	Low Bias			
Trichloroethylene	8.59		"	9.90		86.8	70-130				
trans-1,3-Dichloropropylene	9.82		"	10.9		90.1	70-130				
trans-1,2-Dichloroethylene	9.28		"	9.70		95.7	70-130				
Toluene	9.96		"	10.4		95.8	70-130				
Tetrahydrofuran	7.89		"	9.20		85.8	70-130				
Tetrachloroethylene	8.79		"	10.0		87.9	70-130				
Styrene	10.6		"	10.3		103	70-130				
Propylene	10.4		"	10.4		99.9	70-130				
<i>p</i> -Ethyltoluene	11.8		"	10.1		116	70-130				
<i>p</i> - & <i>m</i> - Xylenes	22.3		"	20.2		110	70-130				
<i>o</i> -Xylene	11.4		"	10.5		108	70-130				
<i>n</i> -Hexane	9.55		"	10.0		95.5	70-130				
<i>n</i> -Heptane	9.07		"	10.3		88.1	70-130				
Methylene chloride	8.35		"	9.90		84.3	70-130				
Methyl tert-butyl ether (MTBE)	10.3		"	9.80		105	70-130				
4-Methyl-2-pentanone	7.22		"	9.20		78.5	70-130				
Isopropanol	7.75		"	9.20		84.2	70-130				
Hexachlorobutadiene	9.93		"	9.90		100	70-130				
Ethyl Benzene	11.2		"	10.3		109	70-130				
Ethyl acetate	9.14		"	8.50		108	70-130				
Cyclohexane	9.66		"	10.1		95.6	70-130				
cis-1,3-Dichloropropylene	9.34		"	10.5		89.0	70-130				
cis-1,2-Dichloroethylene	9.86		"	10.3		95.7	70-130				
Chloromethane	11.4		"	9.70		117	70-130				
Chloroform	10.2		"	10.1		100	70-130				
Chloroethane	11.7		"	9.90		118	70-130				
Carbon tetrachloride	10.4		"	10.2		102	70-130				
Carbon disulfide	9.46		"	10.5		90.1	70-130				
Bromomethane	11.1		"	9.90		112	70-130				
Bromoform	10.6		"	10.1		105	70-130				
Bromodichloromethane	9.61		"	9.90		97.1	70-130				
Benzyl chloride	8.46		"	10.2		82.9	70-130				
Benzene	9.74		"	10.2		95.5	70-130				
Acetone	8.76		"	9.80		89.4	70-130				
2-Hexanone	6.38		"	9.30		68.6	70-130	Low Bias			
2-Butanone	7.91		"	9.40		84.1	70-130				
1,4-Dioxane	8.12		"	9.90		82.0	70-130				



**Volatile Organic Compounds in Air by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

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

**Batch BI40803 - EPA TO15 PREP**

**LCS (BI40803-BS1)**

Prepared & Analyzed: 09/16/2014

1,4-Dichlorobenzene	10.7		ppbv	10.2		105	70-130						
1,3-Dichlorobenzene	10.7		"	10.2		105	70-130						
1,3-Butadiene	11.3		"	10.1		112	70-130						
1,3,5-Trimethylbenzene	11.4		"	10.2		112	70-130						
1,2-Dichlorotetrafluoroethane	10.2		"	10.2		100	70-130						
1,2-Dichloropropane	8.40		"	10.3		81.6	70-130						
1,2-Dichloroethane	10.3		"	10.1		102	70-130						
1,2-Dichlorobenzene	10.5		"	10.1		104	70-130						
1,2,4-Trimethylbenzene	12.2		"	10.2		120	70-130						
1,2,4-Trichlorobenzene	12.4		"	9.60		129	70-130						
1,1-Dichloroethylene	9.71		"	10.0		97.1	70-130						
1,1-Dichloroethane	9.44		"	10.0		94.4	70-130						
Trichlorofluoromethane (Freon 11)	11.3		"	10.5		107	70-130						
1,1,2-Trichloroethane	9.06		"	10.3		88.0	70-130						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.68		"	9.70		99.8	70-130						
1,1,2,2-Tetrachloroethane	9.71		"	10.5		92.5	70-130						
1,1,1-Trichloroethane	10.6		"	9.90		107	70-130						
Dichlorodifluoromethane	8.15		"	10.0		81.5	70-130						
1,2-Dibromoethane	9.51		"	10.3		92.3	70-130						
Dibromochloromethane	10.4		"	10.3		101	70-130						
Methyl Methacrylate	8.76		"	9.50		92.2	70-130						
Chlorobenzene	10.3		"	10.4		99.3	70-130						
<i>Surrogate: p-Bromofluorobenzene</i>	8.43		"	9.60		87.8	72-118						



## Notes and Definitions

QL-03 This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

# 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. 1410542

<b>YOUR INFORMATION</b> Company: <u>Hydro Teen Environmental</u> Address: <u>77 Arley Dr</u> <u>Hampton NY 11788</u> Phone No. <u>607 482 3823</u> Contact Person: <u>Robert Draney</u> E-Mail Address: <u>rdraNEY@hydroteen.com</u>		<b>Report To:</b> Company: <u>SAME</u> Address: <u>    </u> Phone No. <u>    </u> Attention: <u>    </u> E-Mail Address: <u>    </u>		<b>Invoice To:</b> Company: <u>    </u> Address: <u>    </u> Phone No. <u>    </u> Attention: <u>Muslim Ward</u> E-Mail Address: <u>    </u>		<b>YOUR PROJECT ID</b> 140145 Purchase Order No. <u>7006</u> Samples from: CT <u>    </u> NY <u>X</u> NJ <u>    </u>		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard <u>(4-7) Days</u> <input checked="" type="checkbox"/>		<b>Report Type/Deliverables</b> Summary Report <input type="checkbox"/> Summary w/ QA Summary <input type="checkbox"/> CT RCP Package <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B/CLP Pkg <input type="checkbox"/> NJDEP Reduced <input type="checkbox"/> Electronic Deliverables: <input type="checkbox"/> EDD (Specify Type) <input type="checkbox"/> Standard Excel <input type="checkbox"/> Regulatory Comparison Excel <input type="checkbox"/>	
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<b>TO15 Volatiles and Other Gas Analyses</b> EPA TO-15 List <input type="checkbox"/> NYSDEC VI List <input type="checkbox"/> NYSDEC STARS List <input type="checkbox"/> Project Specific List by TO-15 <input type="checkbox"/> NJDEP Target List <input type="checkbox"/> CTDEP RCP Target List <input type="checkbox"/>		<b>Detection Limits Required</b> ≤ 1 ug/m <sup>3</sup> NYSDEC VI Limits <input type="checkbox"/> (VI = vapor instrument) NJDEP low level <input type="checkbox"/> Routine Survey <input type="checkbox"/> Other <input type="checkbox"/>	
<b>Air Matrix Codes</b> AI- INDOOR Ambient Air AO- OUTDOOR Amb. Air AE- Vapor Extraction Well/ Process Gas/Effluent AS- SOIL Vapor/Sub-Slab		<b>Tentatively Identified Compounds</b> Air VPH Helium Methane OTHER	

**Chain of Custody**  
 Name: Nick Mancuso  
 Signature: Nick Mancuso  
 Samples Collected/Authorized By (Signature)  
 Name (printed): Nick Mancuso

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
<del>SV1</del> 156B	9/12	AS	-30	-10	TO-15	6 Liter Summa canister Tedlar Bag
<del>SV2</del> #26	9/12	AS	-24	-5		6 Liter Summa canister Tedlar Bag
<del>SV3</del> 510	9/12	AS	-30	-10		6 Liter Summa canister Tedlar Bag
<del>SV4</del> 16974	9/12	AS	-30	-7		6 Liter Summa canister Tedlar Bag
<del>SV5</del> 525	9/12	AS	-30	-10		6 Liter Summa canister Tedlar Bag
<del>SV6</del> AD-1 508	9/12	AO	-30	-8		6 Liter Summa canister Tedlar Bag

Comments:     

Samples Relinquished By: Xinamin Date/Time: 9/15/14 1230 pm

Samples Received By: KSA Date/Time: 9/15/14 1230 pm

Samples Relinquished By: Grace Date/Time: 9-15-14 1725

Samples Received in L.A.B. by:      Date/Time: